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By: Sylvia Keys

Date: January 21, 2003

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Sylvia Keys  
703.305.5782

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<u>L3</u>	l1 and l2	5	<u>L3</u>
<u>L2</u>	rf or radio adj frequenc? or rfid	1097	<u>L2</u>
<u>L1</u>	inventory or inventories	221	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 5 of 5 returned.**☐ 1. Document ID: NN9702161

L3: Entry 1 of 5

File: TDBD

Feb 1, 1997

TDB-ACC-NO: NN9702161

DISCLOSURE TITLE: Liquid Crystal Display and Light Emitting Diode Displays Powered by Radiofrequency

## PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, February 1997, US

VOLUME NUMBER: 40

ISSUE NUMBER: 2

PAGE NUMBER: 161 - 162

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc											

☐ 2. Document ID: NN9408489

L3: Entry 2 of 5

File: TDBD

Aug 1, 1994

TDB-ACC-NO: NN9408489

DISCLOSURE TITLE: Mobile Visualization of Remote Sensor Data

## PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, August 1994, US

VOLUME NUMBER: 37

ISSUE NUMBER: 8

PAGE NUMBER: 489 - 490

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc											

☐ 3. Document ID: NN9407221

L3: Entry 3 of 5

File: TDBD

Jul 1, 1994

TDB-ACC-NO: NN9407221

DISCLOSURE TITLE: Measurement of Inventories using ID Tags with Embedded Random Number Generator

## PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, July 1994, US

VOLUME NUMBER: 37

ISSUE NUMBER: 7

PAGE NUMBER: 221 - 222

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC
Draw Desc											

☐ 4. Document ID: NN8811399

L3: Entry 4 of 5

File: TDBD

Nov 1, 1988

TDB-ACC-NO: NN8811399

DISCLOSURE TITLE: Grocery Buggy

## PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, November 1988, US

VOLUME NUMBER: 31

ISSUE NUMBER: 6

PAGE NUMBER: 399 - 400

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc										

☐ 5. Document ID: NN8711191

L3: Entry 5 of 5

File: TDBD

Nov 1, 1987

TDB-ACC-NO: NN8711191

DISCLOSURE TITLE: Database Structure



## PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, November 1987, US

VOLUME NUMBER: 30

ISSUE NUMBER: 6

PAGE NUMBER: 191 - 197

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
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11 and 12

5

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File 348:EUROPEAN PATENTS 1978-2003/Jan W03

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File 349:PGT FULLTEXT 1979-2002/UB=20030116,UT=20030109

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?ds

Set	Items	Description
S1	3538	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO()FREQUENC? OR RF OR RFID)
S2	18218	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E() (SHOP? ? - OR STORE? ? OR SHOPPE?)OR BRICK()MORTAR? OR BAM
S3	54	READER()INTERROGATOR?
S4	53	S1(S)S2
S5	6	S1(S)S3
S6	4	S5 NOT S4

4/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01489300

**Method and apparatus for financial document processing**  
**Verfahren und Vorrichtung zur Verarbeitung von finanziellen Dokumenten**  
**Methode et dispositif de traitement de documents financiers**

PATENT ASSIGNEE:

NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,  
Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Cira, John, 462 Brynhurst Place, Waterloo, Ontario N2T 2G4, (CA)  
Doran, Wayne M., 41 Trail View Drive, Kitchener, Ontario N2N 1P7, (CA)  
Schott, Susan H., 366 Northlake Drive, Waterloo, Ontario N2V 1W7, (CA)

LEGAL REPRESENTATIVE:

Williamson, Brian et al (84715), International IP Department, NCR  
Limited, 206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 1255223 A2 021106 (Basic)  
EP 1255223 A3 021204

APPLICATION (CC, No, Date): EP 2002252631 020412;

PRIORITY (CC, No, Date): US 848004 010503

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06K-017/00

ABSTRACT WORD COUNT: 216

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200245	950
SPEC A	(English)	200245	8045
Total word count - document A			8995
Total word count - document B			0
Total word count - documents A + B			8995

...SPECIFICATION The label 322A is preferably implemented by adapting an electronic shelf label, presently used in **retail** environments to receive **radio frequency** information messages comprising **product** description and price information and to respond to queries through the use of modulated backscatter...

4/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01489298

**Method and apparatus for document processing**  
**Verfahren und Vorrichtung zur Dokumentverarbeitung**  
**Methode et appareil de traitement de documents**

PATENT ASSIGNEE:

NCR International, Inc., (1449484), 1700 South Patterson Boulevard,  
Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Gawne, Kevin D., 132 Brighton Street Unit 10, Waterloo, Ontario N2J 4S5,  
(CA)

LEGAL REPRESENTATIVE:

Williamson, Brian et al (84715), International IP Department, NCR  
Limited, 206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 1255221 A2 021106 (Basic)  
EP 1255221 A3 021127

APPLICATION (CC, No, Date): EP 2002252629 020412;  
PRIORITY (CC, No, Date): US 848002 010503  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06K-017/00  
ABSTRACT WORD COUNT: 108  
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200245	631
SPEC A	(English)	200245	5107
Total word count - document A			5738
Total word count - document B			0
Total word count - documents A + B			5738

...SPECIFICATION display unit 400 is preferably implemented by adapting an electronic shelf label, presently used in **retail** environments to receive **radio frequency** information messages comprising **product** description and price information and to respond to queries through the use of modulated backscatter...

**4/3,K/3 (Item 3 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS  
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01446228

**EAS ready paperboard**

**Pappe mit integrierter elektronischer Artikeluberwachung**

**Carton avec dispositif de surveillance electronique d'articles integre**

PATENT ASSIGNEE:

WESTVACO CORPORATION, (815390), 299 Park Avenue, New York New York 10171,  
(US), (Applicant designated States: all)

INVENTOR:

Rasband, Paul Brent, 10894 Martingle Ct., Frederick, MD 21701, (US)

LEGAL REPRESENTATIVE:

Thomson, Paul Anthony et al (36702), Potts, Kerr & Co., 15, Hamilton  
Square, Birkenhead, Merseyside CH41 6BR, (GB)

PATENT (CC, No, Kind, Date): EP 1236650 A1 020904 (Basic)

APPLICATION (CC, No, Date): EP 2001301648 010223;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: B65D-005/42

ABSTRACT WORD COUNT: 42

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200236	217
SPEC A	(English)	200236	862
Total word count - document A			1079
Total word count - document B			0
Total word count - documents A + B			1079

...SPECIFICATION frequency tuned to the frequency of tag detectors located at the entrances and exits of **retail** establishments. When an active tag passes through a detector, an alarm sounds, alerting store employees to the potential theft of the tagged **merchandise**. State of the art **RF**

-EAS tags are generally produced by a number of steps which include stamping, masking, photochemical...

...printing. However, the tags currently available are too expensive to be economically used on items **retailing** for about \$5.00 or less. The use of currently available tags entails not only...

...product or its package, either on a packaging line, in a warehouse, or in the **retailer** 's stockroom.

Such tags may be buried beneath various layers of material without reducing their...

4/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01411153

RF-EAS Tag with resonance frequency tuning

RF-Warenubewachungsetikett mit Abstimmung der Resonanzfrequenz

Etiquette RF de surveillance d'articles avec syntonisation de la frequence de resonance

PATENT ASSIGNEE:

WESTVACO CORPORATION, (815391), 299 Park Avenue, New York New York 10017, (US), (Applicant designated States: all)

INVENTOR:

Rasband, Paul B., 10894 Martingale Ct, Frederick, MD 21701, (US)

LEGAL REPRESENTATIVE:

Stoffregen, Hans-Herbert, Dr. Dipl.-Phys. (44248), Patentanwalt, Friedrich-Ebert-Anlage 11b, 63450 Hanau, (DE)

PATENT (CC, No, Kind, Date): EP 1193659 A1 020403 (Basic)

APPLICATION (CC, No, Date): EP 2000120238 000927;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G08B-013/24

ABSTRACT WORD COUNT: 35

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200214	333
SPEC A	(English)	200214	1912
Total word count - document A			2245
Total word count - document B			0
Total word count - documents A + B			2245

...SPECIFICATION frequency tuned to the frequency of tag detectors located at the entrances and exits of **retail** establishments. When an active tag passes through a detector, an alarm sounds, alerting store employees to the potential theft of the tagged **merchandise**. State of the art **RF** -EAS tags are generally produced by a number of steps which include stamping, masking, photochemical...

...printing. However, the tags currently available are too expensive to be economically used on items **retailing** for about \$5.00 or less. The use of currently available tags entails not only...

...product or its package, either on a packaging line, in a warehouse, or in the **retailer** 's stock-room. Examples of such prior art tags are disclosed for example in United...

4/3,K/5 (Item 5 from file: 348)

01409027

**Time-stamping of merchandise prior to sale**

**Zeitstempelung von Waren vor dem Verkauf**

**Horodatage des marchandises avant l'exécution d'une transaction d'achat**

**PATENT ASSIGNEE:**

NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,  
Dayton, Ohio 45479, (US), (Applicant designated States: all)

**INVENTOR:**

Otto, Jerome Arthur, 2241 Robleigh Drive, Centerville, Ohio 45459, (US)

**LEGAL REPRESENTATIVE:**

Williamson, Brian et al (84715), International IP Department, NCR  
Limited, 206 Marylebone Road, London NW1 6LY, (GB)

**PATENT (CC, No, Kind, Date):** EP 1191503 A2 020327 (Basic)

**APPLICATION (CC, No, Date):** EP 2001306621 010802;

**PRIORITY (CC, No, Date):** US 633414 000807

**DESIGNATED STATES:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**EXTENDED DESIGNATED STATES:** AL; LT; LV; MK; RO; SI

**INTERNATIONAL PATENT CLASS:** G09F-003/20

**ABSTRACT WORD COUNT:** 70

**NOTE:**

Figure number on first page: 1

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200213	404
SPEC A	(English)	200213	5416
Total word count - document A			5820
Total word count - document B			0
Total word count - documents A + B			5820

...SPECIFICATION general case, these items will be distributed, in groups,  
randomly throughout the retail market. Each **item** carries an **RFID**  
transceiver, or transmitter, TR. Stored within memory within the  
transceiver of each are one, or...

**4/3,K/6 (Item 6 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

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01385699

**Automatic system for generating shopping lists**

**Automatisches System zur Erzeugung von Einkaufslisten**

**Systeme automatique permettant de generer des listes d'achats**

**PATENT ASSIGNEE:**

WHIRLPOOL CORPORATION, (816031), 2000 M-63, Benton Harbor Michigan 49022,  
(US), (Applicant designated States: all)

**INVENTOR:**

Bellinetto, Enrico, c/o Whirlpool Europe s.r.l, , Patent Dept., V.le G.  
Borghi 27, 21025 Comerio, (IT)

Schaefer, Martin, c/o Whirlpool Europe s.r.l, , Patent Dept., V.le G.  
Borghi 27, 21025 Comerio, (IT)

Braggion, Davide, c/o Whirlpool Europe s.r.l, , Patent Dept., V.le G.  
Borghi 27, 21025 Comerio, (IT)

**LEGAL REPRESENTATIVE:**

Guerci, Alessandro (62733), Whirlpool Europe S.r.l. Patent Department  
Viale G. Borghi 27, 21025 Comerio (VA), (IT)

**PATENT (CC, No, Kind, Date):** EP 1176377 A1 020130 (Basic)

**APPLICATION (CC, No, Date):** EP 2000116099 000727;

**DESIGNATED STATES:** DE; ES; FR; GB; IT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: F25D-029/00; G06F-017/60  
ABSTRACT WORD COUNT: 97

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200205	350
SPEC A	(English)	200205	1733
Total word count - document A			2083
Total word count - document B			0
Total word count - documents A + B			2083

...SPECIFICATION Frequency Identification "RFID") are used from producer to store data used mainly during production and **retail** operation. According to the present invention, ADC is used to provide to the system a...

...via RF or power-line bi-directional serial link) and transmits information contained in the **product** label or tag. Barcode and **RFID** data stored into **product** labels have not a standard format and can vary from each supplier. Data coming from...

...the elaboration system via voice, touch-screen, keyboard or can be downloaded from producer or **retailer** web-sites.

Audio input can be realised with a single microphone or array of microphone...

**4/3,K/7 (Item 7 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

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01289312

**Resonant tag**

**Resonanzetikett**

**Marqueur resonant**

PATENT ASSIGNEE:

Checkpoint Manufacturing Japan Co., Ltd., (2803601), 1071 Yahata,  
Chigasaki-shi, Kanagawa-ken, (JP), (Applicant designated States: all)

INVENTOR:

Imaichi, Hideaki, 414-9 Kameino, Fujisawa-shi, Kanagawa-ken 252-0813,  
(JP)

Matsumoto, Takeshi, 500-70, Miyayama, Samukawa-machi, Kohza-gun,  
Kanagawa-ken, (JP)

Mazoki, Gary Thomas, 5 Pluto Drive, Sewell, New Jersey 08080, (US)

Piccoli, Anthony Frank, 415 W. Pine Street, Audubon, New Jersey 08106,  
(US)

LEGAL REPRESENTATIVE:

Harrison, David Christopher et al (31532), MEWBURN ELLIS York House 23  
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1107205 A2 010613 (Basic)  
EP 1107205 A3 020724

APPLICATION (CC, No, Date): EP 2000310894 001207;

PRIORITY (CC, No, Date): JP 99348270 991208

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G08B-013/24

ABSTRACT WORD COUNT: 137

NOTE:

Figure number on first page: NONE



LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200124	838
SPEC A	(English)	200124	3459
Total word count - document A			4297
Total word count - document B			0
Total word count - documents A + B			4297

...SPECIFICATION wave of a radio frequency, with transmitting and receiving antennas has heretofore been used in **retail** stores, libraries, etc. for the purpose of preventing shoplifting. The resonant tag has a structure

...LC circuit is constituted as a whole, and resonates with a wave of a specific **radio frequency**. If a **product** attached with this tag passes through a monitoring region without effecting checking, it resonates with...

4/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01031509

POLYMERIC RADIO FREQUENCY RESONANT TAGS AND METHOD FOR MANUFACTURE  
POLYMERE FUNKFREQUENZETIKETTEN UND HERSTELLUNGSVERFAHREN DAZU  
ETIQUETTES POLYMERES RESONNANT SOUS L'EFFET DE LA FREQUENCE RADIOELECTRIQUE  
ET PROCEDE DE FABRICATION

PATENT ASSIGNEE:

IRD A/S, (2710290), Kullinggade 31, 5700 Svendborg, (DK), (Proprietor designated states: all)

INVENTOR:

JACOBSEN, Soren, Soltvej 14A, DK-5854 Gislev, (DK)

ENGELL, John, Skattergade 3, DK-5700 Svendborg, (DK)

LUNDGAARD, Jorgen, Schjerning, Otte Rudsvej 1, DK-5700 Svendborg, (DK)

THOMAS, David, Morgan, Rorkaervej 1, DK-5771 Stenstrup, (DK)

LEGAL REPRESENTATIVE:

Ablett, Graham Keith et al (53082), Ablett & Stebbing, Caparo House, 101-103 Baker Street, London W1M 1FD, (GB)

PATENT (CC, No, Kind, Date): EP 1002306 A1 000524 (Basic)

EP 1002306 B1 020703

WO 9908245 990218

APPLICATION (CC, No, Date): EP 98945226 980807; WO 98EP5120 980807

PRIORITY (CC, No, Date): DK 97911 970808

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G08B-013/24

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200227	405
CLAIMS B	(German)	200227	433
CLAIMS B	(French)	200227	455
SPEC B	(English)	200227	3536
Total word count - document A			0
Total word count - document B			4829
Total word count - documents A + B			4829

...SPECIFICATION present invention also relates to a polymeric radio frequency resonant tags for protection of consumer **retail goods** from theft. The polymeric **radio frequency** resonant tag is applied directly to an item via conventional screen printing or digital printing...

4/3,K/9 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00968444

**RFID DATA COLLECTION AND USE**

**COLLECTE DE DONNEES D'IDENTIFICATION PAR RADIO-FREQUENCE ET UTILISATION DE CES DONNEES**

Patent Applicant/Assignee:

3M INNOVATIVE PROPERTIES COMPANY, 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427, US, US (Residence), US (Nationality)

Inventor(s):

BERQUIST David T, Post Office Box 33427, Saint Paul, MN 55133-3427, US,  
EISENBERG Peter M, Post Office Box 33427, Saint Paul, MN 55133-3427, US,  
GRUNES Mitchell B, Post Office Box 33427, Saint Paul, MN 55133-3427, US,  
MCINTYRE Daniel K, Post Office Box 33427, Saint Paul, MN 55133-3427, US,  
MOREL Diane E, Post Office Box 33427, Saint Paul, MN 55133-3427, US,  
SCHILLING Robert J, Post Office Box 33427, Saint Paul, MN 55133-3427, US,

SEVCIK Paul A, Post Office Box 33427, Saint Paul, MN 55133-3427, US,

Legal Representative:

OLSON Peter L (et al) (agent), Office of Intellectual Property Counsel,  
Post Office Box 33427, Saint Paul, MN 55133-3427, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2002101670 A2 20021219 (WO 02101670)

Application: WO 2002US14021 20020501 (PCT/WO US0214021)

Priority Application: US 2001876432 20010607

Designated States: AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY  
BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK  
(utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model)  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK  
(utility model) SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8314

Fulltext Availability:

Detailed Description

Detailed Description

... use of data obtained by interrogating RFID tags, each of which is associated with an **item** of interest, using an **RFID** reader. In some embodiments it is preferred to use a portable, and preferably, a handheld RED reader to interrogate the **RFID**-tagged **items**. In general terms, the present invention relates to data collection and categories, notification during interrogation...

...inventory, real-time inventory reconciliation, altering the permissible error tolerance, and conversion of non-RFIDtagged **items** to **RFID**-tagged **items**. The **items** may be, for example, assets, evidence, goods in warehouse, distribution, or commercial, **retail**, or storage facilities, pallets or storage containers, documents, files (including patient or client files and...

4/3,K/10 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00963490      \*\*Image available\*\*

**AVI FOR EXPEDITED MOBILE ORDERING AND FULFILLMENT**

**IDENTIFICATION AUTOMATIQUE DE VEHICULE POUR COMMANDE ET EXECUTION DE  
COMMANDE DE MANIERE MOBILE**

Patent Applicant/Assignee:

TC (BERMUDA) LICENSE LTD, Cedar House, 41 Cedar Avenue, 12 Hamilton, BM,  
-- (Residence), -- (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

GRAVELLE Kelly, 11685 Via Tavito, San Diego, CA 92128, US, US (Residence)  
, US (Nationality), (Designated only for: US)

Legal Representative:

GREENBAUM Michael C (agent), Blank Rome Comisky & McCauley, 900 17th  
Street, N.W., Suite 1000, Washington, DC 20006, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200297567 A2 20021205 (WO 0297567)

Application: WO 2002US16309 20020524 (PCT/WO US0216309)

Priority Application: US 2001864443 20010525

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3550

Fulltext Availability:

Detailed Description

Detailed Description

... than traditional fast food drive-thru fulfillment. For example, it  
would be possible for large **retailers** to install drive thru lanes for  
the fulfillment of Internet of e-commerce orders of **merchandise**, using  
an **RFID** transponder as the index of vehicles. The RED transponder  
provides rapid, efficient, and secure identification...

**4/3,K/11      (Item 3 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00961542      \*\*Image available\*\*

**PACKAGE WITH INTEGRATED TRANSPONDER**

**CONDITIONNEMENT AVEC TRANSPONDEUR INTEGRE**

Patent Applicant/Assignee:

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(Nationality), (Designated only for: US)

LANDSKRONE Siegfried, Dr. Kurt Schumacherstrasse 38, 67292

Kirchheimbolanden, DE, DE (Residence), DE (Nationality), (Designated  
only for: US)

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(Residence), US (Nationality), (Designated only for: US)

POWELL Mark, 1906 Camp Rotary Road, Crawfordsville, IN 47933, US, US  
(Residence), US (Nationality), (Designated only for: US)

GATLIN-CHAMBERS Sharon L, 9990 Crosswinds Drive, Fishers, IN 46308, US,  
US (Residence), US (Nationality), (Designated only for: US)

ZIEGLER John, 13745 Langley Court, Carmel, IN 46032, US, US (Residence),  
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Legal Representative:  
GALLOWAY Peter D (et al) (agent), Ladas & Parry, 26 West 61st Street, New  
York, NY 10023, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200295671 A1 20021128 (WO 0295671)  
Application: WO 2002US15508 20020515 (PCT/WO US0215508)  
Priority Application: US 2001291916 20010518; US 2002124440 20020417  
Parent Application/Grant:  
Related by Continuation to: US Not furnished (CON)  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 7699

Fulltext Availability:  
Detailed Description

Detailed Description

... benefit from the  
present quality assurance system at the point of product purchase, as the  
**product** is read by a suitable **radio frequency** reading device or  
scanner located at the check-out area of a **retail** establishment. Again,  
it is contemplated that in the future, consumers will typically have  
suitable "smart..."

4/3,K/12 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00954957 \*\*Image available\*\*

**RADIO FREQUENCY PERSONNEL ALERTING SECURITY SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE SECURITE PAR RADIOFREQUENCE ALERTANT LE PERSONNEL**

Patent Applicant/Assignee:

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, US (Nationality)

Inventor(s):

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GILBERT Ronald W, 65105 N. Demoss Road, Benton City, WA 99320, US,

Legal Representative:

ROBERTS David P (et al) (agent), Wells, St. John, Roberts, Gregory &  
Matkin P.S., Suite 1300, 601 West First Avenue, Spoke, WA 99201-3828,  
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200289083 A1 20021107 (WO 0289083)  
Application: WO 2002US13036 20020423 (PCT/WO US0213036)  
Priority Application: US 2001287058 20010427; US 2001885390 20010619

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 11882

Fulltext Availability:  
Claims

Claim

... and/or non-secured configuration,  
1 0 situation and/or location of the security sensitive **item** . I  
The **RFID** member is interrogated into a response to a triggering event  
or in a itime period...further comprises arranging the secured location  
and/or situation so that with the security sensitive **item** and its  
related **RFID** member in a secured location or locations and/or situation  
so that either a lack...

**4/3,K/13 (Item 5 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
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00949666 \*\*Image available\*\*

**TOTE-BASED WAREHOUSING SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE D'ENTREPOSAGE PAR BACS**

Patent Applicant/Inventor:

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WATERHOUSE Paul, 4211 Yonge Street, Suite 600, Toronto, Ontario M2P 2A9,  
CA, CA (Residence), CA (Nationality)  
VANDENBERG Mike, 4211 Yonge Street, Suite 600, Toronto, Ontario M2P 2A9,  
CA, CA (Residence), CA (Nationality)

Legal Representative:

MCGinn Sean M (agent), MCGinn & Gibb, PLLC, 8321 Old Courthouse Rd.,  
Suite 200, Vienna, VA 22182-3817, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200283507 A2 20021024 (WO 0283507)  
Application: WO 2002US10927 20020409 (PCT/WO US0210927)  
Priority Application: US 2001282150 20010409; US 2002359350 20020226

Designated States: AU CA CN JP KR US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 9654

Fulltext Availability:  
Detailed Description

English Abstract

...warehousing system includes a container (e.g., tote) for storing at  
least one item of **merchandise** , a first electronic (e.g., **radio**  
**frequency** identification (RFID) module associated with the first  
container, and a controller which wirelessly communicates with...

...and/or from said first container. The inventive system may include, for  
example, a hybrid **retail** /warehouse system which includes a facility  
having a shelving area, and a picking area adjacent...

Detailed Description

... g,  
container) associated with the retail/warehouse facility for storing at  
least one item of **merchandise** , an electronic (e.g., **RFID** ) module  
associated with the  
4  
container, and a controller which wirelessly communicates with the module



....  
4/3,K/14 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00945941 \*\*Image available\*\*

**MACHINE READABLE LABEL FOR TOKENS AND MEHTOD OF USE**  
**ETIQUETTE LISIBLE PAR MACHINE POUR JETONS, ET PROCEDE D'UTILISATION**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

RAMSEY-CATAN Carolyn, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,  
Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,  
Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200280118 A2 20021010 (WO 0280118)

Application: WO 2002IB1007 20020327 (PCT/WO IB0201007)

Priority Application: US 2001823873 20010331

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 19114

Fulltext Availability:

Detailed Description

Detailed Description

... stores or warehouses to use a portable scanner to check the history of  
the product. **Retailers** thus could check for authenticity or theft, as  
well as monitor out-of- **stock** and out-of-denial trends. **RFID** tags may  
be programmable and may also include sensors

4/3,K/15 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00945911 \*\*Image available\*\*

**MACHINE READABLE LABEL READER SYSTEM WITH VERSATILE DEFAULT MODE**  
**SYSTEME DE LECTURE D'ETIQUETTES A LECTURE MACHINE AYANT UN MODE PAR DEFAUT**  
**VERSATILE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

RAMSEY-CATAN Carolyn, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,  
Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,  
Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200280086 A1 20021010 (WO 0280086)

Application: WO 2002IB1036 20020328 (PCT/WO IB0201036)

Priority Application: US 2001823563 20010331

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 20753

Fulltext Availability:

Detailed Description

Detailed Description

... stores or warehouses to use a portable scanner to check the history of the product. **Retailers** thus could check for authenticity or theft, as well as monitor out-of- **stock** and out-of-demand trends. **RFID** tags may be programmable and may also include sensors

4/3,K/16 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00945888 \*\*Image available\*\*

**MACHINE READABLE LABEL READER SYSTEM FOR ARTICLES WITH CHANGEABLE STATUS  
SYSTEME DE LECTURE D'ETIQUETTES LISIBLES PAR MACHINE POUR ARTICLES A ETAT  
MODIFIABLE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

RAMSEY-CATAN Carolyn, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,  
Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200280060 A1 20021010 (WO 0280060)

Application: WO 2002IB892 20020319 (PCT/WO IB0200892)

Priority Application: US 2001823874 20010331

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 19168

Fulltext Availability:

Detailed Description

Detailed Description

... stores or warehouses to use a portable scanner to check the history of the product. **Retailers** thus could check for authenticity or theft, as well as monitor out-of- **stock** and out-of-dernand trends. **RFID** tags may be programmable and may also include sensors that can record, right

4/3,K/17 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00945885 \*\*Image available\*\*

**MACHINE READABLE LABEL SYSTEM WITH OFFLINE CAPTURE AND PROCESSING  
SYSTEME D'ETIQUETAGE LISIBLE PAR MACHINE AVEC SAISIE ET TRAITEMENT HORS  
LIGNE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

RAMSEY-CATAN Carolyn, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,  
Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200280057 A2 20021010 (WO 0280057)

Application: WO 2002IB1006 20020327 (PCT/WO IB0201006)

Priority Application: US 2001823822 20010331

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English



Filing Language: English  
Fulltext Word Count: 20847  
Fulltext Availability:  
Detailed Description

Detailed Description

... stores or warehouses to use a portable scanner to check the history of the product. **Retailers** thus could check for authenticity or theft, as well as monitor out-of- **stock** and out-of-demand trends. **RFID** tags may be programinable and may also include sensors that can record, right

**4/3,K/18** (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00945867 \*\*Image available\*\*

**MACHINE READABLE LABEL READER SYSTEM WITH VERSATILE RESPONSE SELECTION**  
**SYSTEME DE LECTURE D'ETIQUETTE ASSIMILABLE PAR MACHINE A SELECTION DE**  
**REPONSE POLYVALENTE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

RAMSEY-CATAN Carolyn, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,  
Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200280035 A2 20021010 (WO 0280035)

Application: WO 2002IB992 20020326 (PCT/WO IB0200992)

Priority Application: US 2001823548 20010331

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 4532

Fulltext Availability:

Detailed Description

Detailed Description

... stores or warehouses to use a portable scanner to check the history of the product. **Retailers** thus could check for authenticity or theft, as well as monitor out-of- **stock** and out-of-demand trends. **RFID** tags may be programmable and may also include sensors that can record, right in the...

**4/3,K/19** (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00945866 \*\*Image available\*\*

**MACHINE READABLE LABEL READER SYSTEM WITH ROBUST CONTEXT GENERATION**  
**SYSTEME DE LECTEUR D'ETIQUETTES LISIBLES AUTOMATIQUEMENT AVEC GENERATION DE**  
**CONTEXTE COHERENT**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

RAMSEY-CATAN Carolyn, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,  
Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent.: WO 200280034 A2 20021010 (WO 0280034)  
Application: WO 2002IB974 20020320 (PCT/WO IB0200974)  
Priority Application: US 2001823554 20010331  
Designated States: CN JP KR  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 20445  
Fulltext Availability:  
Detailed Description

Detailed Description

... stores or warehouses to use a portable scanner to check the history of the product. **Retailers** thus could check for authenticity or theft, as well as monitor out-of- **stock** and out-of-demand trends. **RFID** tags may be programmable and may also include sensors that

**4/3,K/20 (Item 12 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00941618 \*\*Image available\*\*

**RFID TRACKING METHOD AND SYSTEM**

**PROCEDE ET SYSTEME DE POURSUITE PAR IDENTIFICATION RADIOFREQUENCE**

Patent Applicant/Assignee:

ESCORT MEMORY SYSTEMS, 170 Technology Circle, Scotts Valley, CA 95066, US  
, US (Residence), US (Nationality)

Inventor(s):

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Legal Representative:

FRANCIS Ralph C (agent), Francis Law Group, 1808 Santa Clara Avenue,  
Alameda, CA 94501, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200275684 A1 20020926 (WO 0275684)

Application: WO 2001US25104 20010809 (PCT/WO US0125104)

Priority Application: US 2001276961 20010319

Designated States: AU CA JP MX

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 7460

Fulltext Availability:

Detailed Description

Detailed Description

... identify and track aggregate collections of cartons 120. Also optionally, the recipient can utilize the **RFID** tagged cartons to maintain **inventory** and -15 tracking. One of skill in the art will recognize this is particularly advantageous when the recipient engages in **retail** or wholesale sales of goods supplied by the customer. Further, the delivery company can use...

**4/3,K/21 (Item 13 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00936529 \*\*Image available\*\*

**A CLOSURE WITH CONCERTINA ELEMENT AND PROCESSING MEANS**

**BOUCHONS AMELIORES**

Patent Applicant/Assignee:

TELEZYGOLOGY INC, Suite 1101, 61 Lavender Street, Milsons Point, NSW 2061  
, AU, AU (Residence), AU (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

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(Residence), AU (Nationality), (Designated only for: US)  
HORT Michael John Laybourne, 21 Holdsworth Street, Neutral Bay, NSW 2089,  
AU, AU (Residence), AU (Nationality), (Designated only for: US)

Legal Representative:

CHRYSILIOU Kerry (agent), Chrysiliou Law, CMC Centre, 143 Sydney Road,  
Fairlight, NSW 2094, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200270361 A1 20020912 (WO 0270361)  
Application: WO 2002AU262 20020307 (PCT/WO AU0200262)  
Priority Application: AU 20013565 20010307; AU 20014364 20010411

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9193

Fulltext Availability:

Detailed Description

Detailed Description

... to be purchased. If satisfied, the customer may then effect a  
commercial transaction with the **retail** network 156 whereby to purchase  
the **product**. Utilising the **RF** data transmission and receiving and IR  
port features available on most mobile phones and palm...

**4/3,K/22 (Item 14 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00910207 \*\*Image available\*\*

**CONTINUOUS PRODUCTION AND PACKAGING OF PERISHABLE GOODS IN LOW OXYGEN  
ENVIRONMENTS**

**PROCEDE DE PRODUCTION ET D'EMBALLAGE DE PRODUITS PERISSABLES DANS UNE  
ATMOSPHERE PAUVRE EN OXYGENE**

Patent Applicant/Assignee:

CASE READY SOLUTIONS LLC, 9772 S.E. 41st Street, Mercer Island, WA 98040,  
US, US (Residence), US (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

GARWOOD Anthony J, 9772 S.E. 41st Street, Mercer Island, WA 98040, US, US  
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STEPHENS Robert M, Barton Hall South Wing, Dunstall Road, Barton Under  
Needwood DE13 8AX, GB, GB (Residence), GB (Nationality), (Designated  
only for: US)

ATKINSON Kevan J, 200 Badminton Road, Coalpit Heath, Bristol BS36 2ST, GB  
, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

CRUZ Laura A (agent), Christensen O'Connor Johnson & Kindness PLLC, 1420  
Fifth Avenue, Suite 2800, Seattle, WA 98101, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200244026 A1 20020606 (WO 0244026)  
Application: WO 2001US45146 20011128 (PCT/WO US0145146)  
Priority Application: US 2000724287 20001128; US 2000255684 20001213; US  
2001286688 20010426; US 2001291872 20010517; US 2001299240 20010618; US  
2001312176 20010813; US 2001314109 20010821; US 2001323629 20010919; US  
2001335760 20011019

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 197091

Fulltext Availability:

Claims

Claim

... suitably applied to tray and flap surfaces that will not come into contact with any **goods** that are subsequently located in the tray cavity. Turning to FIGURES 46, and 48-49...upper surface of the perishable goods 1806 such that the uppermost part of the perishable **goods** 1806 is extended above the common peripheral flange 1808 under the outer cover 1804. In...is located on the second web and if the second web is not removed before **retail** display then the label can be viewed. A roll of material 4644 is mounted above...the first web as prospective purchasers of the package examine it prior to purchase during **retail** display of the package. After excessive handling by consumers the package can become unattractive to...

...After storage of perhaps a period of 14-28 days from packaging but prior to **retail** display at an intended point of sale to consumers, the second web can be peeled...

4/3,K/23 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00907578

**ACE-2 MODULATING COMPOUNDS AND USE THEREOF**

**COMPOSES MODULANT ACE-2 ET PROCEDES D'UTILISATION ASSOCIES**

Patent Applicant/Assignee:

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US)

Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200239997 A2-A3 20020523 (WO 0239997)  
Application: WO 2001US45703 20011031 (PCT/WO US0145703)  
Priority Application: US 2000704216 20001101; US 2001870382 20010529; US  
2001371741 20011019

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 124892

Fulltext Availability:

Claims

Claim

... also

1 6

can be coadministered with a pharmaceutically acceptable carrier. The  
ACE-2 modulating, e.g., inhibiting, compound can be administered prior  
to the onset of an ACE-2 mediated...of desired product and 192 mg of  
desired product contaminated with a material of higher **Rf** (desired  
**product Rf** . 0.45, contaminant **Rf** - 0.55 in 7:2:1  
CH<sub>2</sub>Cl<sub>2</sub>:EtOAc:methanol with 0.1% acetic acid.) Both...

4/3,K/24 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00907477 \*\*Image available\*\*

**ANTICOLLISION PROTOCOL WITH FAST READ REQUEST AND ADDITIONAL SCHEMES FOR  
READING MULTIPLE TRANSPONDERS IN AN RFID SYSTEM  
PROTOCOLE ANTICOLLISIONS A DEMANDE A LECTURE RAPIDE ET SCHEMAS ADDITIONNELS  
DE LECTURE DE TRANSPONDEURS MULTIPLES DANS UN SYSTEME RFID**

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200241650 A1 20020523 (WO 0241650)  
Application: WO 2000US31497 20001116 (PCT/WO US0031497)  
Priority Application: WO 2000US31497 20001116



Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 6713

Fulltext Availability:  
Detailed Description

#### Detailed Description

... transponders will not respond to a fast read request. This mode may be used in **retail**, anti-theft applications, where a product tagged with an RF11D transponder that has been paid...

...at the point of sale will not respond to the exit reader's request for **item** identification, thereby allowing the **RFID** system to sense only stolen **items**. To communicate with transponders that are excluded from the fast read mode, a reactivation method...

4/3,K/25 (Item 17 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00906092

#### RFID RECYCLING SYSTEM AND METHOD SYSTEME ET PROCEDE DE RECYCLAGE DE RFID

Patent Applicant/Assignee:

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only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200239357 A1 20020516 (WO 0239357)  
Application: WO 2001US43018 20011108 (PCT/WO US0143018)  
Priority Application: US 2000246579 20001108

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 4973

Fulltext Availability:  
Detailed Description

#### Detailed Description

... RECYCLING SYSTEM AND METHOD

FIELD OF THE INVENTION.

This invention relates to the field of **retail** sales and electronic registration of sales transactions. More particularly, this invention relates the use of **RFID** devices on **products**, and a method of recycling **RFID** devices for repeated use on **products**, as well as accounting for the return of **RFID** devices to the rightful owner.  
BACKGROUND...

...devices can be expensive, a need exists for an efficient and accurate method for recycling **RFID** devices for repeated use on **products**, while also enabling electronic registration to be used in connection with the products.

The instant...in a conventional manner to the retailers that sell the products.

When a retailer receives **products** having **RFID** tags, the **retailer** offers the **products** for sale along with, for example, other products not having such **RFID** devices. When a **product** having an **RFID** device (or other ID device) is brought to the point of sale location for purchase...

...In addition to simply reading a unique identifier, such as a serial number, from the **product**, an advantage of the **RFID** device is that a variety of additional detailed information (e.g. weight, price, product description...

...information could be written to the **RFID** device at any time, either by the manufacturer, **retailer** or other authorized party for almost any reason. The information read, including the serial number...

...credit or warranty.

In accordance with the invention, the sales associate then also removes the **RFID** device from the **product** so that the person who purchased the product can take the product home without the...

...The removed **RFID** device is then placed in a bin or the like at the **retail** location for collection with other removed **RFID** devices from ... the above patents. Due to the fact that the unique identifier is provided on the **product** and by the **RFID** device, the unique identifier may be obtained either by reading or scanning the unique identifier...

...number permanently on the product. This will enable the serial number to remain on the **product** after the **RFID** device is removed. Once the shipment is ready, the **products** having the **RFID** tags are shipped to **retail** locations (step 114). The manufacturer also records the fact that certain **RFID** devices have been sent to certain **retailers**. This information is then used to account for the **RFID** devices eventual return, as well...or other interested parties. In accordance with this function, the redemption center monitors sales of **products** having **RFID** devices thereon so that a determination can be made as to when the **RFID** devices ...

...policies regarding return of the **RFID** devices, such as how long after sale of the **product** that the **RFID** device should be returned to the vendor. Various **RFID** related policies are established by various...

...relating thereto. In addition, the redemption center could actually debit/credit certain parties (e.g., **retailers**) for not returning the **RFID** devices in a timely manner. The vendor **RFID** return policies...

4/3,K/26 (Item 18 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT



00887232      \*\*Image available\*\*

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS DES COMMERCE DE DETAIL**

Patent Applicant/Assignee:

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WHITLEY Rayford K, 350 Union Street, #504, San Francisco, CA 94133, US,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200221424 A2 20020314 (WO 0221424)

Application: WO 2001US27372 20010904 (PCT/WO US0127372)

Priority Application: US 2000229599 20000905

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9624

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... supply chain.

[00111 In accordance with the system and method of the present invention, an **RFID** tag is associated with each **item** (or carton or person) to be tracked. In a **retail** organization that sells ready-to-wear garments, for example, an RFID tag is associated with... enhanced vendor shortship visibility; improved distribution center picking / stocking labor efficiency, and improved distribution center **inventory** accuracy. The use of **RFID** technology also makes it possible to improve loss prevention procedures at each step in the...

...accessory retailer) to identify which manufacturers are producing products of poor quality.

Assuming that the **RFID** tag is associated with the **item** , in one example

where the **item** is a garment, the **RFID** tag could be sewn into the garment

and the vendor/manufacturer is identified in the RFID memory, the

**Retailer** would have the ability to take customer returns due to poor quality and trace the unit back to the vendor/manufacturer. Thus, this system facilitates the **Retailer** 's efforts to seek recompense from the vendor. Furthermore, the **Retailer** could implement process changes or

stop purchasing from that particular manufacturer -until product quality and...

...of the benefits comes from recouping lost margin dollars resulting from inaccurate receiving data. Store **inventory** management **RFID** technology can be applied to facilitate inventory physical counts at the stores. A **Retailer** (e.g., ready-to-wear **retailer**) currently spends money either directly or by hiring 3 party companies to come into stores and perform physical counts. This annual cost increases as the **Retailer** expands its store base.

[0020] Furthermore, field staff time spent on taking regular and ad... (retailer) visibility at the unit level to what each vendor is delivering. This application of **RFID** results in more accurate **inventory** control and payment on goods actually received.

PICKING/STOCKING LABOR SAVINGS AT THE DISTRIBUTION CENTER...

Claim

... of RFID tags and collect information related to those tags in order to determine available **inventory**.

19 A system for using **radio frequency** identification (RFID) in a supply chain of a **retail** operation organization, the system comprising: an **RFID** tag is associated with each **item** to be tracked; a plurality of tag readers disposed at various locations throughout the supply...

...radio frequency identification (RFID) in retail operations, the method comprising the steps of: associating an **RFID** tag with each **item** to be tracked; placing a plurality of tag readers at locations throughout the supply chain...

4/3,K/27 (Item 19 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00871341 \*\*Image available\*\*

METHOD, SYSTEM AND APPARATUS FOR INITIATING AND MAINTAINING SYNCHRONIZATION OF A PULSE POSITION MODULATION (PPM) DECODER WITH A RECEIVED PPM SIGNAL  
PROCEDE, SYSTEME ET APPAREIL PERMETTANT D'INITIER ET DE GERER LA SYNCHRONISATION D'UN DECODEUR A MODULATION D'IMPULSIONS EN POSITION (PPM) AU MOYEN D'UN SIGNAL PPM RECU

Patent Applicant/Assignee:

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CHECKPOINT SYSTEMS INCORPORATED, 101 Wolf Dr., Thorofare, NJ 08086, US, US (Residence), US (Nationality), (For all designated states except: US)

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Legal Representative:

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Louisiana, Houston, TX 77002-4995, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200205504 A1 20020117 (WO 0205504)  
Application: WO 2001US21224 20010705 (PCT/WO US0121224)  
Priority Application: US 2000611104 20000706

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5587

Fulltext Availability:

Detailed Description

Detailed Description

... io that controls the overall functionality of the RFID tag device.

An excellent application for **RFID** tag devices is **item** level tagging  
such as **retail** and inventory management where a large number of RFID  
tags may be read and written in a short period of time. Using read-write  
**RFID** tag devices, **product** information stored in the **RFID** tag device  
memory array such as inventory number, product expiration date, weight,  
and product description...

4/3,K/28 (Item 20 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00867345 \*\*Image available\*\*

**SYSTEM FOR INVENTORY CONTROL AND CAPTURING AND ANALYZING CONSUMER BUYING  
DECISIONS**

**SYSTEME DE CONTROLE DES STOCKS ET DE SAISIE ET D'ANALYSE DE DECISIONS  
D'ACHAT DE CONSOMMATEURS**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200201467 A2-A3 20020103 (WO 0201467)  
Application: WO 2001US20365 20010623 (PCT/WO US0120365)  
Priority Application: US 2000213762 20000623

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 5599

Fulltext Availability:  
Claims

Claim  
... on display.

12 The system according to claim I I wherein the tag is an **RFID** tag.

13 An **inventory** control system for use in conjunction with articles which are displayed in a **retail** establishment in accordance with claim 1, each of said articles having a radio frequency tag...

...storing an inventory database comprising at least identification of the articles on display in said **retail** establishment and the location status of each such article;  
an article checkout system located in an article checkout area of the **retail** establishment, the checkout system comprising a first interrogator for interrogating an article that a customer has selected to remove from the **retail** establishment, the first interrogator receiving a response signal containing the stored article identification information for...

4/3,K/29 (Item 21 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00867168 \*\*Image available\*\*

**METHOD, SYSTEM AND APPARATUS FOR CALIBRATING A PULSE POSITION MODULATION (PPM) DECODER TO A PPM SIGNAL**  
**PROCEDE, SYSTEME, ET APPAREIL PERMETTANT DE CALIBRER UN DECODEUR DE MODULATION D'IMPULSIONS EN POSITION A PARTIR D'UN SIGNAL DE MODULATION D'IMPULSIONS EN POSITION**

Patent Applicant/Assignee:

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Louisiana, Houston, TX 77002-4995, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200201246 A2-A3 20020103 (WO 0201246)

Application: WO 2001US19599 20010620 (PCT/WO US0119599)

Priority Application: US 2000602291 20000623

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7094

Fulltext Availability:

Detailed Description

Detailed Description

... to operate in co-operation with the internally stored digital code.

An excellent application for **RFID** tag devices is **item** level tagging such as **retail** and inventory management where a large number of RFID tags may be read and written...

4/3,K/30 (Item 22 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00848549 \*\*Image available\*\*

**METHOD AND APPARATUS FOR MONITORING THE EFFECTIVE VELOCITY OF ITEMS THROUGH A STORE OR WAREHOUSE**

**PROCEDE ET APPAREIL PERMETTANT DE SURVEILLER LE TAUX DE ROTATION EFFECTIF D'ARTICLES DANS UN MAGASIN OU UN ENTREPOT**

Patent Applicant/Assignee:

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Inventor(s):

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200182170 A2 20011101 (WO 0182170)

Application: WO 2001US11392 20010406 (PCT/WO US0111392)

Priority Application: US 2000195689 20000407; US 2000196039 20000407

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 27852

Fulltext Availability:

Detailed Description

Detailed Description

... sensing circuit or sensing device to detect items at the transaction point (Le., in a **retail** store setting, at the "point of sale). In most **retail** stores today, the cash registers are typically supplied with a bar code reader to determine...

...types of sensing circuits could instead be utilized, such as RF detectors to detect an **RF** tag (to count **items**), or perhaps **RFID** readers to not only note the movement of the item, but also to identify the...

...contact with the item. Of course, other types of sensors will eventually be developed for **retail** stores, warehouses, or distribution points, and will be useful for supplying information in conjunction with...



4/3,K/31 (Item 23 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00846445 \*\*Image available\*\*

**INTEGRATED PACKAGE AND RFID ANTENNA**  
**ANTENNE D'IDENTIFICATION RF ET EMBALLAGE INTEGRES**

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

COX Donald J Jr (et al) (agent), Gibbons, Del Deo, Dolan, Griffinger &  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200180174 A1 20011025 (WO 0180174)

Application: WO 2001US40513 20010413 (PCT/WO US0140513)

Priority Application: US 2000196996 20000413; US 2000196948 20000413

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 2701

Fulltext Availability:

Detailed Description

Detailed Description

... aesthetic features to attract the consumer. These features may be lost or obscured when the **retailer** affixes an RFID tag. Finally, when affixed, the position of the RFID tag or deformation of the **RFID** tag on the **product** may significantly reduce the range of the antenna. Thus, a need exists for a way...

4/3,K/32 (Item 24 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00836144 \*\*Image available\*\*

**NETWORKED INTERACTIVE TOY SYSTEM**  
**SYSTEME DE JOUETS INTERACTIFS EN RESEAU**

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•PFEFFER Zvika, 10 Bezalel Street, 64683 Tel Aviv, IL, IL (Residence), IL  
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Legal Representative:

SANFORD T COLB & CO (agent), COLB, Sanford, T. , P.O. Box 2273, 76122  
Rehovot (et al), IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169830 A2-A3 20010920 (WO 0169830)

Application: WO 2001IL248 20010314 (PCT/WO IL0100248)

Priority Application: US 2000189914 20000316; US 2000189915 20000316; US  
2000189916 20000316; US 2000190874 20000321; US 2000191300 20000321; US  
2000192011 20000324; US 2000192012 20000324; US 2000192013 20000324; US  
2000192014 20000324; US 2000193697 20000331; US 2000193699 20000331; US  
2000193702 20000331; US 2000193703 20000331; US 2000193704 20000331; US  
2000195861 20000407; US 2000195862 20000407; US 2000195863 20000407; US  
2000195864 20000407; US 2000195865 20000407; US 2000195866 20000407; US  
2000196227 20000410; US 2000197573 20000417; US 2000197576 20000417; US  
2000197577 20000417; US 2000197578 20000417; US 2000197579 20000417; US  
2000200508 20000428; US 2000200513 20000428; US 2000200639 20000428; US  
2000200640 20000428; US 2000200641 20000428; US 2000200647 20000428; US  
2000203175 20000508; US 2000203177 20000508; US 2000203182 20000508; US  
2000203244 20000508; US 2000204201 20000515; US 2000204200 20000515; US  
2000207126 20000525; US 2000207128 20000525; US 2000208105 20000526; US  
2000208390 20000530; US 2000208391 20000530; US 2000208392 20000530; US  
2000209471 20000605; US 2000210443 20000608; US 2000210445 20000608; US  
2000212696 20000619; US 2000215360 20000630; US 2000216237 20000705; US  
2000216238 20000705; US 2000217357 20000712; US 2000219234 20000718; US  
2000220276 20000724; US 2000221933 20000731; US 2000223877 20000808; US  
2000227112 20000822; US 2000229371 20000830; US 2000229648 20000831; US  
2000231105 20000908; US 2000231103 20000908; US 2000234883 20000925; US  
2000234895 20000925; US 2000239329 20001010; US 2000253362 20001127; US  
2000250332 20001129; US 2000254699 20001211; US 2001267350 20010208

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 189040

Fulltext Availability:

Detailed Description

Detailed Description

... that has been modified for real world stores (r-stores real world  
stores; similarly to e - stores that are web based stores). Toys and  
similar portable devices are used to convey promotional...

4/3,K/33 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00830839

**METHOD AND APPARATUS FOR PRESENTING AND SELECTING PRODUCT AGREEMENTS**

**PROCEDE ET DISPOSITIF DE PRESENTATION ET DE SELECTION D'ACCORDS DE PRODUIT**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200163522 A2 20010830 (WO 0163522)

Application: WO 2001US5503 20010222 (PCT/WO US0105503)

Priority Application: US 2000184485 20000223; US 2000609454 20000630

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 27289

Fulltext Availability:

Detailed Description

Detailed Description

... reader to activate the reader and scan a bar code on a unit of a  
**product**. A customer may activate a **radio frequency** identification  
tag receiver by stepping on a weight sensor. (Weight sensors are often  
used to activate doorway-type anti-theft systems in **retail** stores.) A  
salesman in a **retail** store may hold units of products in front of a bar  
code reader to scan...

4/3,K/34 (Item 26 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00803948 \*\*Image available\*\*

**METHOD OF AND SYSTEM FOR ENABLING BRAND-IMAGE COMMUNICATION BETWEEN VENDORS  
AND CONSUMERS**

**PROCEDE ET SYSTEME PERMETTANT DE COMMUNIQUER UNE IMAGE DE MARQUE ENTRE DES  
VENDEURS ET DES CONSOMMATEURS**

Patent Applicant/Assignee:

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US)

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US (Nationality), (Designated only for: US)

Legal Representative:

PERKOWSKI Thomas J (agent), Thomas J. Perkowski, P.C., Soundview Plaza,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200137540 A2-A3 20010525 (WO 0137540)

Application: WO 2000US31757 20001117 (PCT/WO US0031757)

Priority Application: US 99441973 19991117; US 99447121 19991122; US

99465859 19991217; US 2000483105 20000114; US 2000599690 20000622; US

. 2000641908 20000818; US 2000695744 20001024

Parent Application/Grant:

Related by Continuation to: US 99441973 19991117 (CIP); US 99447121  
19991122 (CIP); US 99465859 19991217 (CIP); US 2000483105 20000114  
(CIP); US 2000599690 20000622 (CIP); US 2000641908 20000818 (CIP); US  
2000695744 20001024 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 116871

Fulltext Availability:

Claims

Claim

... realized using a Newton Message PadT", ' equipped with NethoppeiTm http  
client software and a MotorolaTm RF modem PCMCIA card, for wireless  
access to the Internet.

Page 63

Fig. 3A 1 2...interface, thereby eliminating the need for the  
communication/scanner cable 42 shown in Fig. 3A3. RF -based wireless  
interfaces, as disclosed in US Letters Patents and Published  
International Patent Applications, incorporated...the retail based LAN  
within the store environment. A Spectrum24 network controller 90B, with  
integrated RF antenna elements, is installed within the retail  
shopping envirom-nent, preferably in a central location...such  
retailer-authorization is achieved by restricting the display of product  
advertisements and promotions on retail -based CPI kiosks having  
manufacturer aisle/shelf rights/privileges registered therewith, thereby  
preserving the goodwill embodied within manufacturer- **retailer**  
relationships along the **retail** chain. The second product function of  
these filters is to enable consumers to access and display on a **retail**  
-based CPI kiosk, only CPI related to products of manufacturers (i.e.  
vendors) who currently have products being sold in the **retail** store in  
which the **retail** -based CPI kiosk is installed, thereby assisting  
**retailers** in their effort to market and merchandise products offered by  
their manufacturers, and help educate...

...or virtual CPI

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kiosks on which the advertiser or promoter is authorized by **retailers**  
to display product advertisements or promotions while respecting the  
manufacturer s aisle/shelf rights/privileges granted in the listed CPI  
kiosks by kiosk-hosting **retailers** . As with the first and second product  
functions described above, the third product function operates to  
preserve the goodwill embodied within manufacturer- **retailer**  
relationships along the **retail** chain. As shown in Fig. 13, ...  
restriction of MIN filters, UPN filters and/or trademark (TM) filters  
which are applied to **retail** -based CPI kiosks for the purpose of  
preserving the goodwill embodied within manufacturer- **retailer**  
relationships along the **retail** chain, as discussed hereinabove. As  
shown 'in Fig. 14, a GPS-time synchronized WAP-enabled...

...a GSUenabled wireless Web-enabled palm computer 13 carried by a consumer  
within a physical **retail** shopping environment, when, for example, the  
palm computer is physically located within a particular portion of a  
physical **retail** shopping space. To preserve the goodwill embodied  
within manufacturer- **retailer** relationships along the **retail** chain, it  
would not be desired by **retailers** for Web-based CPI portal servers 519B

enables the **retailer** to register a manufacturer (i.e. vendor) aisle/shelf rights with respect to a particular physical CPI kiosk deployed in **retail** store.

38 The Internet-based consumer product marketing, merchandising and education/information system of claim...having aisle/shelf rights to the particular physical kiosk, thereby providing the corresponding kiosk with **retailer** authorization to subsequently accept product advertisement and promotion spot orders for display to consumer, and...

...kiosk being programmed, thereby respecting aisle/shelf rights/privileges granted to particular manufacturers by particular **retailers** as part of their business agreements.

42 The Internet-based consumer product marketing, merchandising and...

...shelf rights to the particular CPI kiosk, thereby providing the corresponding physical CPI kiosk with **retailer** authorization to subsequently accept product advertisement and promotion spot orders for display to consumers, and...

...kiosk being programmed, thereby respecting aisle/shelf rights/privileges granted to particular manufacturers by particular **retailers** as part of their business agreements.

45 The Internet-based consumer product marketing, merchandising and...

...selected from the group consisting of. (1) registering advertisers (e.g. agents of manufacturers and **retailers** ) and the creating advertiser accounts: (2) logging into

Page 311

. The Internet-based consumer product...a Particular Brand of Consumer Products; Register Kiosk Advertising Campaign to be displayed on a **Retailer** -Authorized Subnetwork of CPI Kiosks; Build Kiosk Advertising Campaign by Placing Ad spot Orders, to...

...run on a Particular Subnetwork of CPI Kiosks; Run and Display Kiosk Advertising Campaign on **Retailer** -Authorized Subnetwork of CPI Kiosks; Modify Kiosk Advertising Campaign; and Monitor Performance of Kiosk Advertising...

...which can be used to identify CPI Kiosks on which the advertiser is authorized by **retailers** to display advertisements on consumer products; and a Brand-type Kiosk Advertising Directory which can be used to identify CPI kiosks on which the advertiser is authorized by **retailers** to display advertisements on a particular brand of consumer products.

Page 312

. The Internet-based...

...determining, for each obtained MIN, the physical and virtual CPI kiosks on which the hosting **retailers** have authorized to place product advertisements; (5) using the ascertained MINs and manufacturer aisle/shelf...

4/3,K/35 (Item 27 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00785197 \*\*Image available\*\*

PROVIDING DIRECTED MARKETING INCENTIVES USING IDENTIFICATION OF CUSTOMERS  
AND PURCHASE SELECTIONS THROUGH RF ID TECHNOLOGY  
INCITATIONS CIBLEES DE MARKETING UTILISANT L'IDENTIFICATION DES CLIENTS ET  
LES SELECTIONS D'ACHATS VIA LA TECHNOLOGIE RF ID  
Patent Applicant/Assignee:

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Legal Representative:

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Highway, Arlington, VA 22202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200118732 A2 20010315 (WO 0118732)

Application: WO 2000US2529 20000301 (PCT/WO US0002529)

Priority Application: US 99389783 19990903

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8343

Fulltext Availability:

Detailed Description

Detailed Description

... in Fig. I and 2 illustrates an embodiment of this invention for use in  
a **retail** store. Fig. I shows a Radio Frequency Identification (RFID)  
flstation" 100 which is a location...

...purchase selection carrier, containing a plurality of items selected for  
purchase 102 located at an **RFID** station.

The **items** selected for purchase 102, along with all of the items  
offered for sale by the **retail** store utilizing the present invention,  
have Radio Frequency Identification (RFID) The purchase selection carrier  
utilized...

...be either a conventional shopping cart as is commonly found in grocery  
stores and other **retail** stores, or any type of product carrier utilized  
by the **retail** store. Another embodiment of this invention could allow  
customers to place items on a shelf or other area to allow the RFID  
station to read the **RFID** devices attached to the **items** if the store  
does not use, or the customer chooses not to use, the equivalent...RF  
signals used to query the RFID devices and monitor the transmitted  
signals from the **RFID** devices attached to the **items** contained in the  
shopping cart. The operation of querying and monitoring the transmitted  
signals from the RFID devices is referred to herein as "reading" the RFID  
devices. The operation of **RFID** systems to determine the **items** a  
customer has selected for purchase is known to practitioners in the  
relevant arts. It...

...invention will work with RFID stations I 00 located within the shopping  
area of a **retail** store may communicate with the store's database of  
merchandise prices to determine the cost...

...additional information, including promotional information such as logos  
or other advertisements from sponsors or the **retail** store itself.

The present invention is able to characterize changes in customer  
purchase selections between...

...who is making multiple RFID station visits during the same shopping

visit involves recording the **items** selected for purchase at an **RFID** station visit and correlating them to **items** read during subsequent **RFID** station visits. This alternative may be implemented by placing unique **RFID** devices on every **item** offered for sale in the **retail** store and associating subsequent RFID station generated lists that contain most of the same **items** as generated during a prior **RFID** station visit. The RFID devices used in this technique will provide a unique "serial number..."

...collection sufficient to support statistical analysis. If unique RFID devices are not used for each **item** ,, and the **RFID** devices only support identification of the product type and volume sufficient to product price and...

...still be used but will be open to greater error. An embodiment which only uses **RFID** devices to identify **product** type and volume will characterize the combination of purchase selections made by the customer and...

4/3,K/36 (Item 28 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00738104 \*\*Image available\*\*

**WIRELESS ADD-ON KEYBOARD SYSTEM AND METHOD**

**SYSTEME CLAVIER SANS FIL COMPLEMENTAIRE ET SON PROCEDE D'UTILISATION**

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200051091 A1 20000831 (WO 0051091)

Application: WO 2000US3906 20000215 (PCT/WO US0003906)

Priority Application: US 99257663 19990225

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5199

Fulltext Availability:

Detailed Description

Detailed Description

... are used in

electronic article surveillance ("EAS") systems, such as those used at exits in **retail** establishments where **merchandise** is sold.

Typically, **RFID** systems include an integrated exciter/receiver and RFID tags. The exciter/receiver generates an excitation...



4/3,K/37 (Item 29 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00738103 \*\*Image available\*\*

**PASSIVE REMOTE CONTROL SYSTEM  
SYSTEME DE TELECOMMANDE PASSIF**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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US

Legal Representative:

HUGHES Terri S, Motorola Inc., Intellectual Property Dept., 1303 East  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200051090 A1 20000831 (WO 0051090)

Application: WO 2000US3905 20000215 (PCT/WO US0003905)

Priority Application: US 99257315 19990225

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4511

Fulltext Availability:

Detailed Description

Detailed Description

... are used in

electronic article surveillance ("EAS") systems, such as those used at  
exits in **retail** establishments where **merchandise** is sold.

Typically, **RFID** systems are limited to applications for identification  
and tracking of persons or things. This limitation...

4/3,K/38 (Item 30 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00737652

**GENE SEQUENCE VARIATIONS WITH UTILITY IN DETERMINING THE TREATMENT OF  
DISEASE**

**VARIATIONS DE SEQUENCES GENIQUES PRESENTANT UNE UTILITE POUR LA SELECTION  
DU TRAITEMENT D'UNE MALADIE**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

AMES Wesley B (agent), Brobeck, Phleger & Harrison LLP, 12390 El Camino  
Real, San Diego, CA 92130, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200050639 A2-A3 20000831 (WO 0050639)

Application: WO 2000US1392 20000120 (PCT/WO US0001392)



•Priority Application: US 99121047 19990222; US 99139440 19990615; US  
99357743 19990720  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 315309

4/3,K/39 (Item 31 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00731987 \*\*Image available\*\*  
**MANAGING PRODUCTION AND OPERATIONS USING READ/WRITE RFID TAGS**  
**GESTION DE PRODUCTION ET D'OPERATIONS A L'AIDE D'ETIQUETTES**  
**D'IDENTIFICATION RADIOFREQUENCE (RFID) DE LECTURE/ECRITURE**  
Patent Applicant/Assignee:  
SENSORMATIC ELECTRONICS CORPORATION, 951 Yamato Road, Boca Raton, FL  
33431-0700, US, US (Residence), US (Nationality)  
Inventor(s):  
BESNARD Philippe, 60, Bois-le-Roi, F-45210 Griselles, FR  
Legal Representative:  
COMOGLIO Rick F, Sensormatic Electronics Corporation, 951 Yamato Road,  
Boca Raton, FL 33431-0700, US  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200045324 A2 20000803 (WO 0045324)  
Application: WO 2000US2205 20000128 (PCT/WO US0002205)  
Priority Application: US 99240397 19990129  
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 4693

Fulltext Availability:  
Detailed Description

#### English Abstract

A method for production and operations management comprises the steps of:  
associating a read/write **RFID** tag with a **product** to be processed;  
subjecting the product to at least one process; and, writing information  
to...

...of a manufacturing process, an inspection process, a shipping process, a  
warehousing process and a **retailing** process.

#### Detailed Description

##### ... DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

In accordance with the inventive arrangements, a read/write **RFID** tag is  
associated with a **product** during processing. Processing is used broadly  
herein to denote any change to a product, including...

...limited to manufacturing processes, inspection processes, 1 5  
distribution processes, shipping processes, warehousing processes and  
**retail** processes. Any change in a product, including but not limited to  
physical structure, appearance, movement...

...be tracked in accordance with the inventive arrangements, by storing  
information on a read/Vtite **RFID** tag associated with the **product**, and  
by reading the information from the tag and routing the information to  
various process...1 1 OA is subjected to process I in processing station  
102. Information from the **product**, that is the **RFID** tag 36, is  
communicated from the tag 36 to process 2, as illustrated by arrow...

4/3,K/40 (Item 32 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00553197 \*\*Image available\*\*

**ELECTROSTATIC RADIO FREQUENCY IDENTIFICATION SYSTEM HAVING CONTACTLESS  
PROGRAMMABILITY**

**SYSTEME ELECTROSTATIQUE D'IDENTIFICATION PAR FREQUENCES RADIO A  
PROGRAMMABILITE SANS CONTACT**

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

VEGA Victor,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200016570 A1 20000323 (WO 0016570)

Application: WO 99US20799 19990910 (PCT/WO US9920799)

Priority Application: US 98100016 19980911

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8583

Fulltext Availability:

Detailed Description

Detailed Description

... with the desired information. Such  
programmability is desirable because it allows manufacturers to implement  
unprogrammed **RFID** tags into application specific **product** packaging,  
which can be programmed at a later and more opportune time by others in  
the chain such as distributors, **retailers**, or end users. Contactless  
programmability is also desirable because it allows for programming to be  
...

4/3,K/41 (Item 33 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00543786 \*\*Image available\*\*

**ARTICLE SURVEILLANCE DEVICE AND METHOD FOR FORMING  
DISPOSITIF DE SURVEILLANCE D'ARTICLE ET PROCEDE DE PRODUCTION**

Patent Applicant/Assignee:

NOVAVISION INC,

Inventor(s):

CAPERNA Albert J,

WATERBURY Mark C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200007159 A1 20000210 (WO 0007159)

•Application: WO 99US15179 19990706 (PCT/WO US9915179)  
Priority Application: US 9894421 19980728; US 99124984 19990318; US  
99330808 19990611  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ  
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
CM GA GN GW ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 8202  
Fulltext Availability:  
Detailed Description

Detailed Description

... use of electronic/radio frequency (RF) article surveillance  
devices has become extremely widespread, particularly on **retail**  
products  
for security purposes. However, despite such widespread use, RF  
devices are fairly expensive, in...

...and holograms for  
product authentication purposes. Yet another operation is then required  
to affix the **RF** tag or combined tag to **merchandise** or packaging  
materials. U.S. Patent No. 3,938,044, incorporated herein by reference,  
shows...

**4/3,K/42 (Item 34 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00498917 \*\*Image available\*\*

**SINGLE CHIP SYMBOLOGY READER WITH SMART SENSOR**  
**LECTEUR DE SYMBOLES MONOPUCE AVEC CAPTEUR INTELLIGENT**

Patent Applicant/Assignee:

ROUSTAEI Alexander R,

Inventor(s):

ROUSTAEI Alexander R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9930269 A1 19990617

Application: WO 98US26056 19981208 (PCT/WO US9826056)

Priority Application: US 9767913 19971208; US 9770043 19971230; US  
9872418 19980124; US 9873501 19980505

Designated States: AU CA JP KR AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

Publication Language: English

Fulltext Word Count: 23894

Fulltext Availability:

Detailed Description

Detailed Description

... a single read of a Radio Frequency Identification ("RFID") tag is  
sufficient to identify the **item** within the field of a **RF** reader. This  
RF technique can be used for applications such as Electronic Article  
Surveillance ("EAS") used in **retail** applications. After the data is  
read, the imager sends an electric current to the coil...

**4/3,K/43 (Item 35 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00488477 \*\*Image available\*\*

ARTICLE-INFORMATION DISPLAY SYSTEM USING ELECTRONICALLY CONTROLLED TAGS  
SYSTEME D'AFFICHAGE D'INFORMATIONS PRODUITS UTILISANT DES ETIQUETTES A  
COMMANDE ELECTRONIQUE

Patent Applicant/Assignee:

DISPLAY EDGE TECHNOLOGY LTD,

Inventor(s):

KAYSER Kenneth W,  
FREDERICK W Richard,  
SWARTZEL Stanley J,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9919829 A1 19990422

Application: WO 98US20281 19980928 (PCT/WO US9820281)

Priority Application: US 9761780 19971010; US 9767336 19971202; US  
98118357 19980717; US 98118423 19980717; US 98118606 19980717; US  
98118607 19980717; US 98118610 19980717; US 98118653 19980717; US  
98120769 19980722

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW  
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 64929

Fulltext Availability:

Detailed Description

Detailed Description

... A number of wireless display systems have been proposed which rely on  
infrared, acoustic, or **radio frequency** broadcast for transmission of  
**product** information to the 10 display ...tag and can make the overall  
system unaffordable for many applications. Moreover, since a single  
**retail** establishment often contains as many as 20,000 to 50,000 display  
tags, replacement of...

4/3,K/44 (Item 36 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00476893 \*\*Image available\*\*

POLYMERIC RADIO FREQUENCY RESONANT TAGS AND METHOD FOR MANUFACTURE  
ETIQUETTES POLYMERES RESONNANT SOUS L'EFFET DE LA FREQUENCE RADIOELECTRIQUE  
ET PROCEDE DE FABRICATION

Patent Applicant/Assignee:

IRD A S,  
JACOBSEN Soren,  
ENGELL John,  
LUNDSGAARD Jorgen Schjerning,  
THOMAS David Morgan,

Inventor(s):

JACOBSEN Soren,  
ENGELL John,  
LUNDSGAARD Jorgen Schjerning,  
THOMAS David Morgan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9908245 A1 19990218

Application: WO 98EP5120 19980807 (PCT/WO EP9805120)

Priority Application: DK 091197 19970808

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

GW ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 4424

Fulltext Availability:  
Detailed Description

Detailed Description

... present invention also relates to a polymeric radio frequency resonant tags for protection of consumer **retail goods** 15 from theft. The polymeric **radio frequency** resonant tag is applied directly to an item via conventional screen printing or digital printing...

**4/3,K/45 (Item 37 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00426386 \*\*Image available\*\*

**ARTICLE TRACKING SYSTEM**  
**SYSTEME DE POURSUITE D'ARTICLES**

Patent Applicant/Assignee:

PINPOINT CORPORATION,  
LANZL Colin,  
MCKINNEY Kenelm,  
WERB Jay,

Inventor(s):

LANZL Colin,  
MCKINNEY Kenelm,  
WERB Jay,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9816849 A1 19980423  
Application: WO 97US19470 19971017 (PCT/WO US9719470)  
Priority Application: US 9628658 19961017; US 9744245 19970423; US  
9744321 19970424

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN  
YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK  
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN  
TD TG

Publication Language: English  
Fulltext Word Count: 12098

Fulltext Availability:  
Detailed Description

Detailed Description

... limited in capabilities. Although they track mobile tags, they are not generally considered to be **RFID products**, because EAS tags are uncoded and cannot be distinguished from one another.

Summary of the...

**4/3,K/46 (Item 38 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00418801 \*\*Image available\*\*

**INFORMATION STORAGE AND IDENTIFICATION TAG**  
**ETIQUETTE D'IDENTIFICATION ET DE STOCKAGE D'INFORMATIONS**

Patent Applicant/Assignee:

E-CODE. L L C,  
Inventor(s):  
LASTINGER Roc A,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9809262 A1 19980305  
Application: WO 97US15038 19970826 (PCT/WO US9715038)  
Priority Application: US 96702950 19960826  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 12440

Fulltext Availability:  
Detailed Description

Detailed Description

... the antenna to transmit a response  
radio frequency signal.

In use, for example in a **retail** store  
security system, **RF** ID tags attached to store  
**merchandise** may be programmed to output a response  
code at a particular frequency. An RF query signal  
source is positioned proximate the store exit and  
outputs an **RF** query signal. If **merchandise** carrying  
one of these tags passes through the exit, the ID  
circuitry is energized by...

4/3,K/47 (Item 39 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00418748 \*\*Image available\*\*  
SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS  
PROTECTION  
SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION  
DE DROITS ELECTRONIQUES

Patent Applicant/Assignee:  
INTERTRUST TECHNOLOGIES CORP,  
Inventor(s):

GINTER Karl L,  
SHEAR Victor H,  
SIBERT W Olin,  
SPAHN Francis J,  
VAN WIE David M,  
Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305  
Application: WO 97US15243 19970829 (PCT/WO US9715243)  
Priority Application: US 96706206 19960830  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 195626

Fulltext Availability:  
Detailed Description

Detailed Description



... control factors;  
0 support dynamic user selection of information  
subsets of a VDE electronic information **product**  
WDE controlled content). This contrasts with the  
constraints of having to use a few high...wav is chosen may be based on  
the number of records that  
a VDE site **stores** in the secure database 610.

The commercial database approach uses a commercial  
Clatabase to ...a-q4 joj jasiajsi2ai a-qj' a) uoTluu-uojuj @xajuw,,  
ssez)old  
padd-ems pu- e '(-5loris paol pueel-up poqjara'-f-@) squamaja ujup oz  
ajUAud'(ooZT saCIn pup OOT sal...

4/3,K/48 (Item 40 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00408908

**SOLID PHASE TYRPHOSTIN LIBRARY LINKED TO MATRICES WITH MEMORIES**  
**BANQUE DE TYRPHOSTINE EN PHASE SOLIDE LIEE A DES MATRICES A MEMOIRES**  
Patent Applicant/Assignee:

IRORI,  
XIAO Xiao-Yi,  
SHI Shuhao,  
PARANDOOSH Zahra,  
NOVA Michael P,

Inventor(s):

XIAO Xiao-Yi,  
SHI Shuhao,  
PARANDOOSH Zahra,  
NOVA Michael P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9749653 A2 19971231  
Application: WO 97US11035 19970624 (PCT/WO US9711035)  
Priority Application: US 9620706 19960624; US 96711426 19960905; US  
96709435 19960906; US 96723423 19960930

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD  
TG

Publication Language: English

Fulltext Word Count: 86387

Fulltext Availability:

Detailed Description

Detailed Description

... identification of library members that interact with the target of  
interest, and tracking intermediary synthesis **products** and  
the multitude of molecules in a single vessel. The generation of such  
libraries often...WO 97/49653 PCTIUS97/11035  
(UPCs) are another common bar code used primarily in the **retail** grocery  
trade and contain a relatively large number of bars and spaces which  
allow for...

...information. The Codabar code, which  
has been developed by Pitney Bowes and is used in **retail** price labeling  
systems and by Federal Express, is a self-checking code. Each character  
is...

4/3,K/49 (Item 41 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00327109 \*\*Image available\*\*

**ARTICLE-INFORMATION DISPLAY SYSTEM USING ELECTRONICALLY CONTROLLED TAGS  
SYSTEME D'AFFICHAGE INFORMATIF PAR ARTICLE A ETIQUETTES COMMANDEES  
ELECTRONIQUEMENT**

Patent Applicant/Assignee:

KAYSER VENTURES LTD,

Inventor(s):

FREDERICK W Richard,

KAYSER Kenneth W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9609619 A1 19960328

Application: WO 95US11913 19950919 (PCT/WO US9511913)

Priority Application: US 94309934 19940921; US 95398297 19950303

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU

SD SE SG SI SK TJ TM TT UA UG UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR

GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 13698

Fulltext Availability:

Detailed Description

Detailed Description

... A number of wireless display systems have been proposed which rely on infrared. acoustic, or **radio frequency** broadcast for transmission of **product** information to the display tags. These wireless tags require a battery for powering each tag...

...tag and can make the overall system unaffordable for many applications. Moreover, since a single **retail** establishment often contains as many as 20,000 to 50,000 display tags, replacement of...

4/3,K/50 (Item 42 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00303987 \*\*Image available\*\*

**METHOD AND APPARATUS FOR COMMUNICATING WITH A PRODUCT LABEL  
TECHNIQUE ET APPAREIL DE COMMUNICATION AVEC UNE ETIQUETTE DE PRODUIT**

Patent Applicant/Assignee:

SEATTLE SILICON CORPORATION,

Inventor(s):

RIMKUS Joseph Shannon,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9522138 A1 19950817

Application: WO 95US1573 19950210 (PCT/WO US9501573)

Priority Application: US 94195311 19940210

Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 13692

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 1 is a block diagram of an overall labelling system for use in identifying **products** using **radio frequency** transmissions. The labeling system 10 includes a number of gondolas 12, each of which includes...

...outward

appearance of each label 18 is very similar to the labels sold  
by Electronic **Retailing** Systems International of Darien,  
Connecticut. The LCD 70 and the photovoltaic cell 72 appear  
on...

4/3,K/51 (Item 43 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00290646 \*\*Image available\*\*

**METHOD AND APPARATUS FOR PROVIDING INFORMATION CONCERNING PRODUCTS, USING  
RADIO FREQUENCY TRANSMISSIONS  
PROCEDE ET APPAREIL TRANSMETTANT PAR FREQUENCES RADIO DES INFORMATIONS  
RELATIVES A DES PRODUITS**

Patent Applicant/Assignee:

SEATTLE SILICON CORPORATION,  
KRUEGER Thomas E,  
ASTROF Kenneth L,

Inventor(s):

KRUEGER Thomas E,  
ASTROF Kenneth L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9508795 A1 19950330

Application: WO 94US10715 19940922 (PCT/WO US9410715)

Priority Application: US 93125518 19930922

Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 7563

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 1 is a block diagram of an overall labelling system  
for use in identifying **products** using **radio frequency**  
transmissions. Figure 1(a) is a schematic cross-sectional  
perspective drawing of a label used...

...outward

appearance of each label 18 is very similar to the labels sold  
by Electronic **Retailing** Systems International of Darien,  
6

SUBSTITUTE SHEET (RULE 26)

Connecticut\* The LCD

4/3,K/52 (Item 44 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00288786

**ARTICLE-INFORMATION DISPLAY SYSTEM USING ELECTRONICALLY CONTROLLED TAGS  
SYSTEME D'AFFICHAGE D'INFORMATIONS CONCERNANT UN ARTICLE AU MOYEN  
D'ETIQUETTES ELECTRONIQUES**

Patent Applicant/Assignee:

KAYSER VENTURES LTD,

Inventor(s):

KAYSER Kenneth W,  
FREDERICK W Richard,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9506935 A1 19950309

Application: WO 94US9486 19940824 (PCT/WO US9409486)

Priority Application: US 93116468 19930903  
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP  
KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK  
TJ TT UA UZ VN KE MW SD AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 12176

Fulltext Availability:  
Detailed Description

#### Detailed Description

... A number of wireless display systems have been proposed which rely on infrared, acoustic, or **radio frequency** broadcast for transmission of **product** information to the display tags. These wireless tags require a battery for powering each tag...

...tag and can make the overall system unaffordable for many applications. Moreover, since a single **retail** establishment often contains as many as 20,000 to 50,000 display tags, replacement of...

4/3,K/53 (Item 45 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00176185

#### **MERCHANDISE SECURITY SYSTEM UTILIZING RF TRANSMITTER** **SYSTEME DE SECURITE POUR MARCHANDISES UTILISANT UN EMETTEUR HF**

Patent Applicant/Assignee:

ISRAEL Marcia,

Inventor(s):

CLOSE Leo R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9009648 A1 19900823

Application: WO 90US545 19900131 (PCT/WO US9000545)

Priority Application: US 89771 19890209

Designated States: AT AU BE CH DE DK DK ES FR GB IT LU NL NO SE

Publication Language: English

Fulltext Word Count: 7840

Fulltext Availability:  
Detailed Description

#### Detailed Description

##### **MERCHANDISE SECURITY SYSTEM UTILIZING RF TRANSMITTER**

Cross-Reference To Related Application,And.Paten't

Application Serial No, 902,484 filed...

...electronic

security and anti-theft systems for,protecting articles  
such as merchandise on display in **retail** stores,,,and mord  
particularly to improvements in the monitoring tags  
attachable to the protected articles...

6/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00923318 \*\*Image available\*\*

**TIRE INFLATION PRESSURE MONITORING AND LOCATION DETERMINING METHOD AND APPARATUS**

**PROCEDE ET APPAREIL PERMETTANT DE MESURER LA PRESSION DE GONFLAGE DES PNEUMATIQUES ET DE LOCALISER LES PNEUMATIQUES**

Patent Applicant/Assignee:

MICROCHIP TECHNOLOGY INCORPORATED, 2355 West Chandler Boulevard,  
Chandler, AZ 85224-6199, US, US (Residence), US (Nationality)

Inventor(s):

VAN NIEKERK Jan, 2055 East Ranch Road, Tempe, AZ 85284-3509, US,  
ST AMAND Roger, 1807 East LaVieve Lane, Tempe, AZ 85284, US,  
URADNIK Joseph, 1889 W. Queen Creek Road #1050, Chandler, AZ 85248, US,  
KATZ Paul N, 4717 Braeburn Drive, Bellaire, TX 77401-5311, US,

Legal Representative:

SLAYDEN Bruce W II (agent), Baker Botts, L.L.P., One Shell Plaza, 910  
Louisiana, Houston, TX 77002-4995, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200257097 A2-A3 20020725 (WO 0257097)

Application: WO 2002US1177 20020117 (PCT/WO US0201177)

Priority Application: US 2001765093 20010117; US 2001765094 20010117; US  
2001765095 20010117

Designated States: JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 17424

Fulltext Availability:

Detailed Description

Detailed Description

... may be read through paint, water, dirt, dust, human bodies, concrete,  
or through the tagged **item** itself.

A passive **RFID** tag has no internal power source, instead using an  
incoming RIF or electromagnetic signal as...

...may also be used to modify the amplitude of the RF carrier signal of the  
**reader - interrogator**. The resonant circuit of the RFID tag may be, for  
example, a parallel connected inductor...

...DC) converter; a modulation circuit to send the stored and/or sensor  
information to the **reader - interrogator**; a logic circuit which stores  
coded information; a memory array that stores digitized information; and  
...

6/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00922197 \*\*Image available\*\*

**RADIO FREQUENCY IDENTIFICATION TAG ON A SINGLE LAYER SUBSTRATE**

**ETIQUETTE D'IDENTIFICATION A RADIOFREQUENCES PLACEE SUR UN SUBSTRAT A COUCHE UNIQUE**

Patent Applicant/Assignee:

MICROCHIP TECHNOLOGY INCORPORATED, 2355 West Chandler Boulevard,  
Chandler, AZ 85224-6199, US, US (Residence), US (Nationality)

Inventor(s):

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ST AMAND Roger, 1807 East LaVieve Lane, Tempe, AZ 85284, US,

Legal Representative:

SLAYDEN Bruce W (agent), Baker Botts, L.L.P., One Shell Plaza, 910  
Louisiana, Houston, TX 77002-4995, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200256245 A2 20020718 (WO 0256245)

Application: WO 2001US46523 20011203 (PCT/WO US0146523)

Priority Application: US 2000728217 20001201

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 5556

Fulltext Availability:

Detailed Description

Detailed Description

... may be read through paint, water, dirt, dust, human bodies, concrete,  
or through the tagged **item** itself **RFID** tags are used in conjunction  
with a radio frequency tag **reader** ( **interrogator** ) which transmits RF  
signals and receives data signals from the RFID tag. These RFID tags...

6/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00910866 \*\*Image available\*\*

**INDUCTIVELY TUNABLE ANTENNA FOR A RADIO FREQUENCY IDENTIFICATION TAG**

**ANTENNE ACCORDABLE PAR INDUCTION POUR ETIQUETTE D'IDENTIFICATION A  
RADIOFREQUENCES**

Patent Applicant/Assignee:

MICROCIP TECHNOLOGY INCORPORATED, 2355 West Chandler Boulevard, Chandler,  
AZ 85224-6199, US, US (Residence), US (Nationality)

Inventor(s):

FUREY Lee, 366 East Briarwood Trace, Phoenix, AZ 85048, US,

LEE Youbok, 757 West Citrus Way, Chandler, AZ 85248, US,

ST AMAND Roger, 1807 East LaVieve Lane, Tempe, AZ 85284, US,

Legal Representative:

SLAYDEN Bruce W (agent), Baker Botts, L.L.P., One Shell Plaza, 910  
Louisiana, Houston, TX 77002-4995, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200245011 A1 20020606 (WO 0245011)

Application: WO 2001US46388 20011203 (PCT/WO US0146388)

Priority Application: US 2000728190 20001201

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 6330

Fulltext Availability:

Detailed Description

Detailed Description

... substances such as paint, water, dirt, dust, human bodies, concrete,  
and  
even through the tagged **item** itself



RFID tags are used in conjunction with a radio frequency tag reader (" Interrogator ") which transmits a radio frequency ("RF") carrier signal and detects data signals from the RFID...

...do not use external power sources, rather they use incoming RF carrier signals from the reader (" Interrogator ") as a power source. The passive RFID tag is activated by a DC voltage that...

6/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00745388 \*\*Image available\*\*

**RADIO FREQUENCY IDENTIFICATION TAG DEVICE WITH SENSOR INPUT**  
**DISPOSITIF D'ETIQUETTE D'IDENTIFICATION PAR RADIOFREQUENCE A ENTREE DE**  
**SONDE**

Patent Applicant/Assignee:

MICROCHIP TECHNOLOGY INCORPORATED, 2355 West Chandler Boulevard,  
Chandler, AZ 85224-6199, US, US (Residence), US (Nationality)

Inventor(s):

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ALEXANDER Sam E, 2744 East Silverwood Drive, Phoenix, AZ 85048, US  
FUREY Lee, 366 East Briarwood Tr., Phoenix, AZ 85048, US  
POULIN Shannon, 1541 East Edgewater Drive, Tempe, AZ 85283, US

Legal Representative:

BEARD R William Jr, Frohwitter, Suite 500, Three Riverway, Houston, TX  
77056, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200058752 A1 20001005 (WO 0058752)  
Application: WO 2000US8125 20000328 (PCT/WO US0008125)  
Priority Application: US 99280466 19990330

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 6988

Fulltext Availability:

Detailed Description

Detailed Description

... may be read through paint, water, dirt, dust, human bodies, concrete, or through the tagged item itself. RFID tag devices are used in conjunction with a radio frequency tag reader ( interrogator ) which generates a continuous wave (CW) radio frequency (RF) carrier 1 5 that activates the...

File 344:Chinese Patents Abs Aug 1985-2002/Dec  
 (c) 2003 European Patent Office  
 File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)  
 (c) 2003 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2002/UD,UM &UP=200303  
 (c) 2003 Thomson Derwent  
 ?ds

Set	Items	Description
S1	437	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO()FREQUENC? OR RF OR RFID)
S2	7189	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E() (SHOP? ? - OR STORE? ? OR SHOPPE?)OR BRICK()MORTAR? OR BAM
S3	6	READER()INTERROGATOR?
S4	18	S1 AND S2
S5	0	S1 AND S3
S6	13	S1 AND INTERROGATOR?
S7	11	S6 NOT S4

4/5/1 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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07255195 \*\*Image available\*\*

INFORMATION ATTACHING SYSTEM, ARTICLE DISTRIBUTING METHOD AND RECORDING MEDIUM

PUB. NO.: 2002-123654 [JP 2002123654 A]

PUBLISHED: April 26, 2002 (20020426)

INVENTOR(s): KAITA AKIRA  
YONEZAWA MASA  
YAMAGUCHI SHOGO  
FUJISAWA RYUTARO  
SHIMADA HIRONORI

APPLICANT(s): MITSUBISHI MATERIALS CORP

APPL. NO.: 2000-317066 [JP 2000317066]

FILED: October 17, 2000 (20001017)

INTL CLASS: G06F-017/60; B65G-001/137; G06K-017/00; G06K-019/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an information attaching system, an article distributing method and a recording medium, with which the expansion of the scale of the system is reduced, the information of an article can be shared and managed and the efficiency of recycle can be improved.

SOLUTION: A maker 105 attaches an RFID tag 300 for storing the article distribution information of information corresponding to the distribution of the article from production through utilization to discard to a product 200-1, records product information, recycle information, article management information and service information and forwards the product. A **retail** store 120 stores client information, selling information and **retail** store information in selling and stores repair dealing information on the **RFID** tag 300 when repairing the **product** 200-1. A sorting part 152 of a recycle plant 150 performs sorting by detecting whether recycling is possible or not on the basis of the recycle information. The RFID tag 300 is returned to the maker 105 when discarding parts.

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4/5/2 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014957526 \*\*Image available\*\*

WPI Acc No: 2003-018040/200301

XRPX Acc No: N03-013913

**Product record method in self-service checkout system, involves initiating acceptance of payment, if difference between product actual weight and reference weight is within predetermined threshold**

Patent Assignee: NCR INT INC (NATC ); GOODWIN J C (GOOD-I)

Inventor: GOODWIN J C

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020139617	A1	20021003	US 2001824825	A	20010402	200301 B
EP 1248244	A2	20021009	EP 2002252279	A	20020328	200301

Priority Applications (No Type Date): US 2001824825 A 20010402

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020139617	A1		7	A63F-009/02	
EP 1248244	A2	E		G07G-001/00	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): US 20020139617 A1

NOVELTY - A signal is transmitted to an **RFID** label on a **product**, while the product is on scale. The response from the RFID label is recorded, based on which product ID information is determined. The price and reference weight information for the product is obtained using the ID information. The payment acceptance is initiated, if difference between product actual weight and reference weight is within predetermined threshold.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for customer managed transaction completion system.

USE - For recording product in self-service checkout system in supermarket and other **retail** establishments.

ADVANTAGE - Provides enhanced security by weighing **RFID** -equipped **products**.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart illustrating the operation of the self-service checkout system.

pp; 7 DwgNo 3/3

Title Terms: PRODUCT; RECORD; METHOD; SELF; SERVICE; CHECKOUT; SYSTEM;  
INITIATE; ACCEPT; PAY; DIFFER; PRODUCT; ACTUAL; WEIGHT; REFERENCE; WEIGHT  
; PREDETERMINED; THRESHOLD

Derwent Class: P36; T01; T05; W02; W06

International Patent Class (Main): A63F-009/02; G07G-001/00

File Segment: EPI; EngPI

4/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014956176 \*\*Image available\*\*

WPI Acc No: 2003-016690/200301

XRPX Acc No: N03-012604

**Secure electronic labeling method for tracking inventory in pharmaceuticals, involves imposing access control to non-volatile memory of tag based on type specified in divided categories of product information**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: HIND J R; MATHEWSON J M; PETERS M L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020116274	A1	20020822	US 2001790104	A	20010221	200301 B

Priority Applications (No Type Date): US 2001790104 A 20010221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020116274	A1		20	G06F-017/60	

Abstract (Basic): US 20020116274 A1

NOVELTY - The **product** information stored in **RFID** tag (100) is divided into universal product code (UPC), list price and tracking number. Each of the divided categories are stored as a triplet which includes a type to indicate the extent of modification of tag, product value and length. A predetermined access control is imposed on a non-volatile memory of the tag based on the specified type.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Computer program product for implementing secure electronic labeling method; and

(2) Electronic labeling apparatus.

USE - For tracking inventories in **retail** store, pharmaceuticals, etc., using RFID technique.

ADVANTAGE - Prevents tampering with stored information, pricing  
mistake, etc., at the point of sale.  
DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of  
the radio frequency identification tag.  
RFID tag (100)  
pp; 20 DwgNo 1/10  
Title Terms: SECURE; ELECTRONIC; METHOD; TRACK; INVENTORY; PHARMACEUTICAL;  
IMPOSE; ACCESS; CONTROL; NON; VOLATILE; MEMORY; TAG; BASED; TYPE;  
SPECIFIED; DIVIDE; CATEGORY; PRODUCT; INFORMATION  
Derwent Class: T01; T05; U21  
International Patent Class (Main): G06F-017/60  
International Patent Class (Additional): H04Q-005/22  
File Segment: EPI

4/5/4 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014833821 \*\*Image available\*\*  
WPI Acc No: 2002-654527/200270  
XRPX Acc No: N02-517076

**Multiple technology data reader for bar code labels and RFID tags, has  
computer bus connected that conveys data collected by optical data and  
RFID reading units without requiring user to choose reading unit**

Patent Assignee: PSC SCANNING INC (PSCS-N)  
Inventor: MCALLISTER C W  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6415978	B1	20020709	US 99304228	A	19990503	200270 B

Priority Applications (No Type Date): US 99304228 A 19990503

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 6415978 B1 15 G06K-007/10

Abstract (Basic): US 6415978 B1

NOVELTY - The multiple technology data reader (10) has a computer  
bus (20) connected to a communications unit to convey over the computer  
bus data simultaneously or concurrently collected by the optical data  
reading unit and RFID reading unit without requiring a user to select  
between the optical data reading unit and RFID reading unit.

DETAILED DESCRIPTION - The optical data reading unit and RFID  
reading unit are provided for detecting several data. The  
communications unit is connected to the optical data and RFID reading  
units. An INDEPENDENT CLAIM is also included for reading multiple  
technology data.

USE - For bar code labels and radio frequency identification ( **RFID**  
) tags. Used in e.g. **inventory** control and point-of-sale (POS)  
transactions in **retail** stores.

ADVANTAGE - Versatile and capable of reading bar codes and RFID  
tags simultaneously. Enables user to able to obtain more precise and  
accurate information by activating bar code reading unit automatically  
when two or more RFID tags are detected. Assures user a more accurate  
and reliable method of data acquisition for specific task being  
performed.

DESCRIPTION OF DRAWING(S) - The figure shows the functional block  
diagram of the multiple technology data reader.

Multiple technology data reader (10)  
Computer bus (20)  
pp; 15 DwgNo 2/10

Title Terms: MULTIPLE; TECHNOLOGY; DATA; READ; BAR; CODE; LABEL; TAG;  
COMPUTER; BUS; CONNECT; CONVEY; DATA; COLLECT; OPTICAL; DATA; READ; UNIT;  
REQUIRE; USER; CHOICE; READ; UNIT

Derwent Class: T01; T04; T05; W06  
International Patent Class (Main): G06K-007/10  
File Segment: EPI

**4/5/5 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014768172 \*\*Image available\*\*

WPI Acc No: 2002-588876/200263

XPX Acc No: N02-467197

**Portable printer for printing RFID tag, label, encodes information on  
RFID circuit of printing media on which information related to RFID  
circuit is printed**

Patent Assignee: ZIH CORP (ZIHZ-N)

Inventor: AMANI M; LAMONTAGNE M L; PETTERUTI S F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6409401	B1	20020625	US 2000193282	A	20000330	200263 B
			US 2001817529	A	20010326	

Priority Applications (No Type Date): US 2000193282 P 20000330; US  
2001817529 A 20010326

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6409401	B1		9	B41J-003/36	Provisional application US 2000193282

Abstract (Basic): US 6409401 B1

NOVELTY - An encoder (22) encodes information on a RFID circuit of a printing media on which a printer unit (24) prints information related to the RFID circuit. A portable housing weighing less than two pounds, houses the printer unit and the encoder.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) RFID circuit encoding method; and
- (2) Encoded information printing method.

USE - For printing indicia such as barcode, text, graphics, etc., on labels, tickets, stickers, **RFID** tags and other patches for **inventory** tracking in factory, warehouse and **retail** shop.

ADVANTAGE - The small size and lightweight printer can be easily carried by the users. The printer stores digital information on the media efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic control diagram of the portable printer.

Encoder (22)

Printer unit (24)

pp; 9 DwgNo 2/3

Title Terms: PORTABLE; PRINT; PRINT; TAG; LABEL; ENCODE; INFORMATION;

CIRCUIT; PRINT; MEDIUM; INFORMATION; RELATED; CIRCUIT; PRINT

Derwent Class: P75; T04; T05; W05

International Patent Class (Main): B41J-003/36

File Segment: EPI; EngPI

**4/5/6 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014758957 \*\*Image available\*\*

WPI Acc No: 2002-579661/200262

XPX Acc No: N02-459991

**Radio frequency identification tag package for retail goods ,  
parcels, has recognition tag integrated circuit connected with circuit**



conducting wire of printed circuit board fixed with coil

Patent Assignee: HUANENG SCITECH CO LTD (HUAN-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002171199	A	20020614	JP 2000337319	A	20001106	200262 B

Priority Applications (No Type Date): JP 2000337319 A 20001106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002171199	A		7	H04B-001/59	

Abstract (Basic): JP 2002171199 A

NOVELTY - A recognition tag integrated circuit (101) is connected with the circuit conducting wire of a printed circuit board (102) fixed with a coil (105). Both edges of the coil are welded in the printed circuit board.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for radio frequency identification tag package assembly method.

USE - **Radio frequency** identification tag package for **retail goods**, parcel, packaged goods, bags, etc.

ADVANTAGE - Prevents dropping of identification tag.

DESCRIPTION OF DRAWING(S) - The figure shows the top view of radio frequency identification tag.

Recognition tag integrated circuit (101)

Printed circuit board (102)

Coil (105)

pp; 7 DwgNo 1/12

Title Terms: RADIO; FREQUENCY; IDENTIFY; TAG; PACKAGE; **RETAIL**; GOODS; PARCEL; RECOGNISE; TAG; INTEGRATE; CIRCUIT; CONNECT; CIRCUIT; CONDUCTING; WIRE; PRINT; CIRCUIT; BOARD; FIX; COIL

Derwent Class: T05; U11; V04; W02

International Patent Class (Main): H04B-001/59

International Patent Class (Additional): H01L-023/12; H01L-025/00; H05K-001/16

File Segment: EPI

4/5/7 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014604666 \*\*Image available\*\*

WPI Acc No: 2002-425370/200245

Related WPI Acc No: 2002-225827; 2002-380510

XRPX Acc No: N02-334492

Radio frequency identification device for inventory tracking, has indication circuitry provided with light emitting device for indicating reception of interrogation signal and generation of the response signal

Patent Assignee: OVARD D K (OVAR-I); TROSPER S T (TROS-I); VAN HORN M T (VHOR-I)

Inventor: OVARD D K; TROSPER S T; VAN HORN M T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020041235	A1	20020411	US 99363944	A	19990729	200245 B
			US 2000655660	A	20000906	
			US 20014135	A	20011018	

Priority Applications (No Type Date): US 99363944 A 19990729; US 2000655660 A 20000906; US 20014135 A 20011018

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020041235	A1		15	H04Q-005/22	Div ex application US 99363944 Cont of application US 2000655660

Abstract (Basic): US 20020041235 A1

NOVELTY - A communication circuitry (32) comprising a transponder circuitry, outputs response wireless identification signal in response to reception of forward link wireless interrogation signal. An indication circuitry (36) comprising light emitting device (38), indicates the reception of interrogation signal and generation of the response signal.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Wireless communication system;
- (b) Communication method;
- (c) Radio frequency identification device forming method;
- (d) Wireless communication operations testing method in wireless identification system;
- (e) Interrogator communication range determining method

USE - In wireless communication system (claimed) for inventory tracking of objects in warehouse configurations, manufacturing plants, **retail** premises, for tracking people, vehicles, animals and also for verifying correct installation and operation of a wireless communication system.

ADVANTAGE - Enables identification of desired objects easily and correctly.

DESCRIPTION OF DRAWING(S) - The figure shows the isometric view of the indication circuitry.

Communication circuitry (32)

Indication circuitry (36)

Light emitting device (38)

pp; 15 DwgNo 8/9

Title Terms: RADIO; FREQUENCY; IDENTIFY; DEVICE; INVENTORY; TRACK; INDICATE  
; CIRCUIT; LIGHT; EMIT; DEVICE; INDICATE; RECEPTION; INTERROGATION;  
SIGNAL; GENERATE; RESPOND; SIGNAL

Derwent Class: W02; W06

International Patent Class (Main): H04Q-005/22

International Patent Class (Additional): G08B-021/00

File Segment: EPI

**4/5/8 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014551191 \*\*Image available\*\*

WPI Acc No: 2002-371894/200240

XRFX Acc No: N02-290634

**Inventory determination system for supply chain of retail organizations, has reader that interrogates RFID tag on merchandise , to retrieve information related to RFID tag**

Patent Assignee: CAN N (CANN-I); CROVITZ C K (CROV-I); GAP INC (GAPG-N);  
TURNER D M (TURN-I); WHITLEY R K (WHIT-I)

Inventor: CAN N; CROVITZ C K; TURNER D M; WHITLEY R K

Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200221424	A2	20020314	WO 2001US27372	A	20010904	200240 B
US 20020038267	A1	20020328	US 2000229599	A	20000905	200240
			US 2001944383	A	20010904	
AU 200188678	A	20020322	AU 200188678	A	20010904	200251

Priority Applications (No Type Date): US 2000229599 P 20000905; US  
2001944383 A 20010904

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200221424 A2 E 46 G06K-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA

CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
\*KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
US 20020038267 A1 G06F-017/60 Provisional application US 2000229599

AU 200188678 A G06K-000/00 Based on patent WO 200221424

Abstract (Basic): WO 200221424 A2

NOVELTY - A fixture is adapted to hold respective collection of **merchandise** comprising **items** with associated **radio frequency** identification ( **RFID** ) tags. The fixture is capable of sensing whether the item is properly located on it. A reader arranged on the fixture, interrogates the RFID tag and retrieves information related to the RFID tag.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Inventory determination method;
- (b) Radio frequency identification system;
- (c) Radio frequency identification method

USE - Inventory determination system for supply chain of **retail** organizations dealing in garments, accessories, personal care products, toys, baby products, home products, etc.

ADVANTAGE - Improves operation efficiency in a **retail** organization. Prevents loss from theft by employees and customers. By providing individual tags on each garment, the system can be used to write or alter pricing data on each tag. Provides pre-receipt visibility to the distribution center, allowing the distribution center to forecast and plan labor requirements and anticipate special handling activities of especially mixed cartons.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic representation of a **retail** organization's six stage supply chain.

pp; 46 DwgNo 2/7

Title Terms: INVENTORY; DETERMINE; SYSTEM; SUPPLY; CHAIN; **RETAIL** ; READ; INTERROGATION; TAG; MERCHANDISE; RETRIEVAL; INFORMATION; RELATED; TAG  
Derwent Class: T05; W02; W06  
International Patent Class (Main): G06F-017/60; G06K-000/00  
File Segment: EPI

4/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014517586 \*\*Image available\*\*

WPI Acc No: 2002-338289/200237

Related WPI Acc No: 2002-009576

XRPX Acc No: N02-265904

**Radio frequency identification tag for use in supermarket, has insulating layer on which multiple LC resonant circuits are provided at evenly spaced intervals on upper and lower surfaces**

Patent Assignee: CW OVER SOLUTIONS INC (CWOV-N)

Inventor: BLAMA M J; FREEMAN J S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020017993	A1	20020214	US 9734695	P	19970102	200237 B
			US 97919	A	19971230	
			US 2001948907	A	20010910	

Priority Applications (No Type Date): US 9734695 P 19970102; US 97919 A 19971230; US 2001948907 A 20010910

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

Cont of application US 97919  
Cont of patent US 6304169

Abstract (Basic): US 20020017993 A1

NOVELTY - The tag has an insulating layer on which multiple LC resonant circuits are provided at evenly spaced intervals on upper and lower surfaces. The tag is associated with a binary number depending on the resonance or non-resonance of the LC resonant circuit, respectively.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Method for identifying an **item** to or with which a **RF** identification tag is attached;

(b) System for identifying an **item** to or with which a **RF** identification tag is attached

USE - For identifying passengers, luggage, library books, inventory items and other moving or stationary objects in supermarkets, and also in shipping services. Also used by distributors clothing **retailers**.

ADVANTAGE - Enables programming of presence or absence of a circuit and its functionality inexpensively and thus provides a small-sized identification tag efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows a bar code/LC circuit reading system.

pp; 21 DwgNo 1A/21

Title Terms: RADIO; FREQUENCY; IDENTIFY; TAG; SUPERMARKET; INSULATE; LAYER; MULTIPLE; LC; RESONANCE; CIRCUIT; EVEN; SPACE; INTERVAL; UPPER; LOWER; SURFACE

Derwent Class: T01; T05; W02; W06

International Patent Class (Main): G08B-013/14

File Segment: EPI

4/5/10 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013904792 \*\*Image available\*\*

WPI Acc No: 2001-389005/200141

XRPX Acc No: N01-286048

**Miniature resonant tag for attaching to small products such as lipstick for preventing shoplifting, includes optimum open portion without circuits at center of coil circuits**

Patent Assignee: CHECKPOINT MFG JAPAN CO LTD (CHEC-N); CHECKPOINT MFG JAPAN KK (CHEC-N); IMAICHI H (IMAI-I); MATSUMOTO T (MATS-I); MAZOKI G T (MAZO-I); PICCOLI A F (PICC-I)

Inventor: IMAICHI H; MATSUMOTO T; MAZOKI G T; PICCORI A F; PICCOLI A F

Number of Countries: 029 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010003438	A1	20010614	US 2000732312	A	20001207	200141 B
EP 1107205	A2	20010613	EP 2000310894	A	20001207	200141
AU 200069627	A	20010628	AU 200069627	A	20001031	200142
JP 2001167366	A	20010622	JP 99348270	A	19991208	200151
AU 738346	B	20010913	AU 200069627	A	20001031	200164
US 6313747	B2	20011106	US 2000732312	A	20001207	200170

Priority Applications (No Type Date): JP 99348270 A 19991208

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20010003438 A1 11 G08B-013/14

EP 1107205 A2 E G08B-013/24

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

AU 200069627 A G01V-015/00  
JP 2001167366 A 8 G08B-013/24  
AU 738346 B G01V-015/00 Previous Publ. patent AU 200069627  
US 6313747 B2 G08B-013/14

Abstract (Basic): US 20010003438 A1

NOVELTY - The tag includes coils wound in opposite directions and superimposed through an insulating film, forming LC circuit. Area of superposition of the coil circuits is 72% and open area (21) without superposition is 16% with the width of both the circuits being equal, except at outer periphery. The thickness of the film in portion of the superimposed area is lesser such that it is destroyed during resonance.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for anti-theft apparatus.

USE - Miniature resonant tag of 23mm used as electric article surveillance (EAS) and radio frequency identification (RFID) tag is attached to goods such as lipstick and other cosmetics, meat, jewelry, books etc., in retail shops, library etc., for shoplifting prevention.

ADVANTAGE - The optimum superposition of the coil circuits enhances capacitance and aids in miniaturization. The optimum open area at center ensures sufficient signal intensity even when average deviation of coil is 0.15 mm.

DESCRIPTION OF DRAWING(S) - The figure shows the top view of the resonant tag model.

Open area (21)  
pp; 11 DwgNo 1/10

Title Terms: MINIATURE; RESONANCE; TAG; ATTACH; PRODUCT; LIPSTICK; PREVENT;  
SHOPLIFTING; OPTIMUM; OPEN; PORTION; CIRCUIT; COIL; CIRCUIT  
Derwent Class: U25; V02; V04; W05  
International Patent Class (Main): G01V-015/00; G08B-013/14; G08B-013/24  
File Segment: EPI

4/5/11 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013873632 \*\*Image available\*\*

WPI Acc No: 2001-357844/200138

XRPX Acc No: N01-260114

**Self-service checkout terminal operating method in retail grocery, involves determining product code and deactivating security tag of purchase item simultaneously when item advances through scanner detection zone**

Patent Assignee: NCR INT INC (NATC )

Inventor: LIPPERT K J; SNYDER R L

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1098276	A2	20010509	EP 2000309530	A	20001026	200138 B

Priority Applications (No Type Date): US 99432626 A 19991102

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1098276	A2	E	71	G07G-001/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1098276 A2

NOVELTY - The product code associated with purchase item is determined when the item is advanced through the scanner detection zone. The security deactivation device is operated contemporaneously to deactivate the security tag associated with the purchase item advancing through the scanner detection zone.

DETAILED DESCRIPTION - Radio frequency (RF) field or magnetic field



is generated near the scanner detection zone to deactivate the security tag when purchase item is passed through RF field and magnetic field. An INDEPENDENT CLAIM is also included for the self-service checkout terminal.

USE - In retail grocery, supermarket industry.

ADVANTAGE - The checkout system is easily operated in assisted and self-service conditions. Checkout system is easily transferred between assisted and self-service conditions. Cost of the checkout system is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the perspective view of the checkout system.

pp; 71 DwgNo 1/31

Title Terms: SELF; SERVICE; CHECKOUT; TERMINAL; OPERATE; METHOD; RETAIL ;  
GROCERY; DETERMINE; PRODUCT; CODE; DEACTIVATE; SECURE; TAG; PURCHASE;  
ITEM; SIMULTANEOUS; ITEM; ADVANCE; THROUGH; SCAN; DETECT; ZONE  
Derwent Class: P27; T05; W05  
International Patent Class (Main): G07G-001/00  
International Patent Class (Additional): A47F-009/04  
File Segment: EPI; EngPI

4/5/12 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013492774 \*\*Image available\*\*

WPI Acc No: 2000-664717/200064

XRPX Acc No: N00-492663

**Managing Production and operation processes of warehouse management, shipping, distribution and inventory control has uses read/write RFID tags for establishing and recording history of process from manufacture to final sale**

Patent Assignee: SENSORMATIC ELECTRONICS CORP (SENS-N)

Inventor: BESNARD P

Number of Countries: 090 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045324	A2	20000803	WO 2000US2205	A	20000128	200064 B
AU 200032175	A	20000818	AU 200032175	A	20000128	200064
BR 200007580	A	20011009	BR 20007580	A	20000128	200168
			WO 2000US2205	A	20000128	
EP 1181661	A2	20020227	EP 2000910010	A	20000128	200222
			WO 2000US2205	A	20000128	
AU 748082	B	20020530	AU 200032175	A	20000128	200247
JP 2002536726	W	20021029	JP 2000596512	A	20000128	200274
			WO 2000US2205	A	20000128	

Priority Applications (No Type Date): US 99240397 A 19990129

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200045324 A2 E 19 G06K-000/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200032175 A G06K-000/00 Based on patent WO 200045324

BR 200007580 A G06F-017/00 Based on patent WO 200045324

EP 1181661 A2 E G06K-001/00 Based on patent WO 200045324

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE

AU 748082 B G06F-017/00 Previous Publ. patent AU 200032175

Based on patent WO 200045324

JP 2002536726 W 25 G06F-017/60 Based on patent WO 200045324



Abstract (Basic): WO 200045324 A2

NOVELTY - Read/write radio frequency identification (RFID) tag (36) is associated with a product to be processed subjecting the product to at least one process i.e. manufacturing process, inspection process, shipping process, warehouse process and **retailing** process and write information to associated tag relating to the process and a confirmation can be made by reading the associated tag.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the system for processing a product.

USE - Establishing and recording history of process i.e. manufacturing process, inspection process, shipping process, warehouse process and **retailing** process.

ADVANTAGE - Enable real time production decisions and plan changes, increases visibility of problem situations and provides better prediction of production levels. Quality of the product with respect to manufacturing quality standards can be continuously monitored throughout production.

DESCRIPTION OF DRAWING(S) - Drawing shows block diagram illustrating a communications and control arrangement. (36) read/write radio frequency identification (RFID) tag.

pp; 19 DwgNo 5/7

Title Terms: MANAGE; PRODUCE; OPERATE; PROCESS; WAREHOUSE; MANAGEMENT; SHIPPING; DISTRIBUTE; INVENTORY; CONTROL; READ; WRITING; TAG; ESTABLISH; RECORD; HISTORY; PROCESS; MANUFACTURE; FINAL; SALE

Derwent Class: Q35; T01; T05; W05

International Patent Class (Main): G06F-017/00; G06F-017/60; G06K-000/00; G06K-001/00

International Patent Class (Additional): B65G-061/00; G05B-019/418; G06F-007/00; G06F-007/04; G06G-007/48; G06K-017/00; H04B-007/26

File Segment: EPI; EngPI

4/5/13 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013393836 \*\*Image available\*\*

WPI Acc No: 2000-565774/200053

XRPX Acc No: N00-417915

**Apparatus for identifying, monitoring and obtaining data relating to products moving along a distribution path using radio frequency identification tags**

Patent Assignee: SHAW D A (SHAW-I)

Inventor: SHAW D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2287286	A1	20000426	CA 2287286	A	19991026	200053 B

Priority Applications (No Type Date): US 98105567 A 19981026; US 98105564 A 19981026; US 98105565 A 19981026; US 98105566 A 19981026

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2287286	A1	E	32	G01S-013/75	

Abstract (Basic): CA 2287286 A1

NOVELTY - A producer (A) palletizes goods (10), which are then shipped via a first transport (B) to a primary distributor (C), where they are stored. The goods are then shipped via a second transport (D) to a secondary distributor (E), where they are stored, before finally being shipped via a third transport (F) to a **retailer** (6). A radio frequency identification tag (12), with a transceiver and a memory, is attached to a corresponding pallet (14) to provide a unique identifier, function to indicate the contents of the pallet and record information

such as temperature, read by interrogators (18,20,22).

USE - Real time tracking and data transfer using **radio frequency** identification tags for monitoring **products** along a product distribution flow path.

ADVANTAGE - Providing centralized reporting and tracking capabilities.

DESCRIPTION OF DRAWING(S) - The drawing is a diagrammatic illustration of movement of palletized goods along a distribution path

Producer (A)

Palletized goods (10)

Transports (B,D,F)

Distributors (C,E)

**Retailer** (6)

Identification tag (12)

Pallet (14)

Interrogators (18,20,22)

pp; 32 DwgNo 3/8

Title Terms: APPARATUS; IDENTIFY; MONITOR; OBTAIN; DATA; RELATED; PRODUCT;

MOVE; DISTRIBUTE; PATH; RADIO; FREQUENCY; IDENTIFY; TAG

Derwent Class: T01; V04; W01; W02; W05; W06; X25

International Patent Class (Main): G01S-013/75

File Segment: EPI

**4/5/14 (Item 13 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013064031 \*\*Image available\*\*

WPI Acc No: 2000-235902/200020

XRPX Acc No: N00-176780

**Theft prevention system for retail premises uses unit which combines functions of bar code reader and deactivation circuit for radio frequency loop labels**

Patent Assignee: SCANTECH BV (SCAN-N)

Inventor: BROERSMA G; BUDDENBERG A; VAN DER HOOFT A E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
NL 1009332	C2	19991207	NL 981009332	A	19980605	200020 B

Priority Applications (No Type Date): NL 981009332 A 19980605

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

NL 1009332 C2 26 G06K-007/10

Abstract (Basic): NL 1009332 C2

NOVELTY - The shop has detection gates (2) near the exits (1). These gates detect **products** being carried out before the **radio frequency** responder labels have been deactivated. At the check-out (3), each purchased object is passed over a unit (4) which scans the bar code label using a laser beam and also applies a pulse of high power radio frequency pulse to short circuit the circuit in the label.

USE - Theft prevention system for **retail** premises

ADVANTAGE - Combines functions of bar code reader and deactivation circuit for radio frequency loop labels saves time and labor

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of the system.

entrance/exit (1)

detection gates (2)

check-out counter (3)

combined bar code reader and label deactivator (4)

conveyor belt (5)

connection (6)

electronic till and display (7)

connection (8)  
computer control unit (9)  
pp; 26 DwgNo 1/7  
Title Terms: THEFT; PREVENT; SYSTEM; **RETAIL** ; PREMISES; UNIT; COMBINATION;  
FUNCTION; BAR; CODE; READ; DEACTIVATE; CIRCUIT; RADIO; FREQUENCY; LOOP;  
LABEL  
Derwent Class: T04; T05; W05  
International Patent Class (Main): G06K-007/10  
International Patent Class (Additional): G08B-013/24  
File Segment: EPI

4/5/15 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011814025 \*\*Image available\*\*  
WPI Acc No: 1998-230935/199820  
XRPX Acc No: N98-182789

**Data communication and de-activation of electronic surveillance tags -  
has tags attached to articles for sale, and transponder for communicating  
therewith, together with de-activation coils, at point-of-sale**

Patent Assignee: SENSORMATIC ELECTRONICS CORP (SENS-N)  
Inventor: ALICOT J F; FREDERICK R B; PATTERSON H A; TRIBBEY S A  
Number of Countries: 078 Number of Patents: 007  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9813805	A1	19980402	WO 97US17570	A	19970926	199820 B
AU 9747407	A	19980417	AU 9747407	A	19970926	199834
EP 928472	A1	19990714	EP 97909902	A	19970926	199932
			WO 97US17570	A	19970926	
US 5990794	A	19991123	US 96721175	A	19960926	200002
BR 9713228	A	20000404	BR 9713228	A	19970926	200030
			WO 97US17570	A	19970926	
AU 729012	B	20010125	AU 9747407	A	19970926	200111
JP 2001503890	W	20010321	WO 97US17570	A	19970926	200122
			JP 98516002	A	19970926	

Priority Applications (No Type Date): US 96721175 A 19960926

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9813805 A1 E 14 G08B-023/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9747407 A G08B-023/00 Based on patent WO 9813805

EP 928472 A1 E G08B-023/00 Based on patent WO 9813805

Designated States (Regional): DE FR GB SE

US 5990794 A G08B-023/00

BR 9713228 A G08B-023/00 Based on patent WO 9813805

AU 729012 B G08B-023/00 Previous Publ. patent AU 9747407

Based on patent WO 9813805

JP 2001503890 W 15 G08B-013/24 Based on patent WO 9813805

Abstract (Basic): WO 9813805 A

The inventive system comprises apparatus for data communication  
to/from electronic article surveillance (EAS) tags (32), attached to  
merchandise in eg. **retail** stores. An antenna communicates with a data  
transponder (33) located within a predetermined area, for eg.  
identifying selling price, stock details, and article manufacturer.

At retain point-of-sale, the tags are de-activated after reading  
the article (30) details, allowing customer removal from the store

without initiating the alarm system. The tags are particularly suited for storing Radio-Frequency Identification (RFID) data, and for allowing read-out thereof.

USE - EAS tags, preferably magneto-acoustic, for security provision at **retail** store check-outs (20, 22), using **RFID** tags attached to **merchandise**, and de-activating tags after reading-out data.

ADVANTAGE - Allows more data to be stored on/read from such tags, compared with bar-code labels, enabling faster check-out clearance by not requiring such accurate line-of-sight scanning.

Dwg.1/5

Title Terms: DATA; COMMUNICATE; DE; ACTIVATE; ELECTRONIC; SURVEILLANCE; TAG ; TAG; ATTACH; ARTICLE; SALE; TRANSPONDER; COMMUNICATE; DE; ACTIVATE; COIL; POINT; SALE

Derwent Class: W05

International Patent Class (Main): G08B-013/24; G08B-023/00

File Segment: EPI

4/5/16 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011751587 \*\*Image available\*\*

WPI Acc No: 1998-168497/199815

XRFX Acc No: N98-133795

**Shelf tag verification apparatus for retail stores - includes decoder mounted with bar code reader which generates binary product code and appends check code which is transmitted to receiver in terminal unit which verifies check code and generates query for transmission to base**

Patent Assignee: BASS INC (BASS-N)

Inventor: VANDONKELAAR J L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5721421	A	19980224	US 96680439	A	19960715	199815 B

Priority Applications (No Type Date): US 96680439 A 19960715

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5721421	A		7	G06K-007/10	

Abstract (Basic): US 5721421 A

The shelf tag verification apparatus includes a portable product code reader including a scanner for scanning a machine readable identifying code and for generating an analogue signal corresponding to the product code. A decoder is connected to the scanner, for generating a corresponding binary product code, and calculating a check code based on the binary product code and a predetermined reference code. A surface acoustic wave resonator generates a **radio frequency** signal and uses the binary **product** code and the check code to modulate the radio frequency signal.

A hand-held terminal unit includes an amplifier sequenced hybrid receiver for receiving the **radio frequency** signal and reproducing the binary **product** code and the check code. A microprocessor receives the binary product code, calculates a verifying code, compares the verifying code against the check code and unloads a binary product code in the event of a satisfactory check. A radio transmitter is connected for receiving the binary product code from the microprocessor and transmitting a corresponding radio signal to a base station. A radio receiver receives a responsive radio transmission from a base station and supplies the responsive radio transmission to the microprocessor.

USE - For verifying alphanumeric information appearing on tags fixed to shelving for bar coded products

Dwg.1/4

Title Terms: SHELF; TAG; VERIFICATION; APPARATUS; **RETAIL** ; STORAGE; DECODE

; MOUNT; BAR; CODE; READ; GENERATE; BINARY; PRODUCT; CODE; CHECK; CODE;  
: TRANSMIT; RECEIVE; TERMINAL; UNIT; VERIFICATION; CHECK; CODE; GENERATE;  
QUERY; TRANSMISSION; BASE  
Derwent Class: T01; T04  
International Patent Class (Main): G06K-007/10  
File Segment: EPI

4/5/17 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011536747 \*\*Image available\*\*

WPI Acc No: 1997-513228/199748

XRFX Acc No: N97-427180

**Linear Hall-effect sensor for detecting magnetised metal rod in retail items - uses two posts located at exit of store between cash registers transmitting electromagnetic waves that become reflected by hidden element**

Patent Assignee: CAZELAIS F (CAZE-I)

Inventor: CAZELAIS F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2155230	A	19970716	CA 2155230	A	19960115	199748 B

Priority Applications (No Type Date): CA 2155230 A 19960115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2155230	A		7	G08B-013/24	

Abstract (Basic): CA 2155230 A

A post located at exit of store transmits electromagnetic waves (RF or microwaves) that are reflected by the element hidden in the selected item. The waves are recaptured by the post. The magnetised element will transmit a magnetic flux captured by the Hall-effect sensors installed inside the post in order to activate sensor alarm. To maximise reception of signal from protected item, each post contains several sensors and the posts are separated by 28-36 inches.

A person carrying the selected item has to pass through a row of two posts with a selected item to activate the alarm system. The anti-theft system uses magnetised metallic rod inside **retail** item that transmits a magnetic flux captured by Hall-effect sensors, and give a proportional voltage of a first polarity at first terminal and a second voltage of opposite polarity at second terminal. Both terminals are coupled to provide input to difference operational amplifier circuit.

**ADVANTAGE** - Can use **RF**, microwaves and provides protection for **items** that can be hidden on among other items or on human person.

Dwg.1/2

Title Terms: LINEAR; HALL; EFFECT; SENSE; DETECT; MAGNETISE; METAL; ROD;  
**RETAIL**; ITEM; TWO; POST; LOCATE; EXIT; STORAGE; CASH; REGISTER; TRANSMIT  
; ELECTROMAGNET; WAVE; REFLECT; HIDE; ELEMENT

Index Terms/Additional Words: SECURITY; SYSTEM

Derwent Class: S03; W05

International Patent Class (Main): G08B-013/24

File Segment: EPI

4/5/18 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008388285 \*\*Image available\*\*

WPI Acc No: 1990-275286/199036



Related WPI Acc No: 1991-281662; 1992-006991

XRPX Acc No: N90-212887

Merchandise **security system using RF transmitter - has transmitter connected to merchandise by loop passing through garment and if removed transmits alarm signal**

Patent Assignee: ISRAEL M (ISRA-I)

Inventor: CLOSE L R

Number of Countries: 015 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9009648	A	19900823				199036 B
US 4962369	A	19901009	US 89308771	A	19890209	199043
AU 9050460	A	19900905				199048

Priority Applications (No Type Date): US 89308771 A 19890209

Cited Patents: US 3942829; US 4134108; US 4333072; US 4565996; US 4573042; US 4595915; US 4620122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9009648	A				
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Designated States (National): AU DK NO

Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE

Abstract (Basic): WO 9009648 A

The security system for merchandise such as garments (10) includes an RF transmitter tag (12) attached to the garment by a cable (14) that is passed through part of the garment. The cable has one end fixed to the tag while the other end can slide through the tag to form a variable length loop. The cable has a pair of conductors and the tag has a capacitive discharge power supply. If the cable is cut, its conductors touch each other triggering a burst of RF transmission which is detected by a receiving system.

A rebroadcast antenna may be included in the tag to respond to an exit monitoring system.

USE/ADVANTAGE - Removal of tag within shop will trigger alarm, and authorised removal and attachment of tag does not damage garments. (41pp Dwg.No.1/21)

Title Terms: MERCHANDISE; SECURE; SYSTEM; RF; TRANSMIT; TRANSMIT; CONNECT; MERCHANDISE; LOOP; PASS; THROUGH; GARMENT; REMOVE; TRANSMIT; ALARM; SIGNAL

Derwent Class: W02; W05

International Patent Class (Additional): G08B-013/24

File Segment: EPI

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7/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014623886 \*\*Image available\*\*

WPI Acc No: 2002-444590/200247

XRPX Acc No: N02-350220

**Anti-collision protocol with fast read request and additional schemes for reading multiple transponders in radio frequency identification system for identifying goods and articles**

Patent Assignee: CHECKPOINT SYSTEMS INC (CHEC-N); MICROCHIP TECHNOLOGY INC (MICR-N)

Inventor: ALEXANDER S; BENEDETTI R; FUREY L R; GALLAGHER W F; INUI S; LEE Y ; SALESKY R

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200241650	A1	20020523	WO 2000US31497	A	20001116	200247 B
AU 200116591	A	20020527	WO 2000US31497	A	20001116	200261
			AU 200116591	A	20001116	

Priority Applications (No Type Date): WO 2000US31497 A 20001116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200241650	A1	E	19	H04Q-007/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200116591	A			H04Q-007/00	Based on patent WO 200241650
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Abstract (Basic): WO 200241650 A1

NOVELTY - A tag command is sent from an **interrogator** requesting an identification tag is placed in decoupled mode and the tag circuitry decouples the tag from the magnetic environment of the **interrogator** if the tag is in its field. The read bit of the tag is sent to a first logic level to allow the tag to respond to the command or to second level logic to prevent any response, while different wake-up slots are calculated for each tag during each successive transmission cycle according to tag identification and its transmission cycle number.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a method of controlling actions of radio frequency identification tags and for a method of controlling response signals in transponders.

USE - Providing anti-collision in reading of multiple transponders.

ADVANTAGE - Accurate reading of transmission data from each tag.

DESCRIPTION OF DRAWING(S) - The drawing is a flow chart of the protocol.

pp; 19 DwgNo 1a/8

Title Terms: ANTI; COLLIDE; PROTOCOL; FAST; READ; REQUEST; ADD; SCHEME;

READ; MULTIPLE; TRANSPONDER; RADIO; FREQUENCY; IDENTIFY; SYSTEM; IDENTIFY ; GOODS; ARTICLE

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/00

File Segment: EPI

7/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014415348 \*\*Image available\*\*

WPI Acc No: 2002-236051/200229

Related WPI Acc No: 2002-479053

XRPX Acc No: N02-181376

Radio frequency identification interrogator for inventory control, has inductive coils which are driven so as to generate magnetic field components, forming composite magnetic field

Patent Assignee: AVID IDENTIFICATION SYSTEMS INC (AVID-N)

Inventor: WARD W H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6307468	B1	20011023	US 99356788	A	19990720	200229 B

Priority Applications (No Type Date): US 99356788 A 19990720

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6307468	B1		14	G08B-026/00	

Abstract (Basic): US 6307468 B1

NOVELTY - A drive circuit (84) which is connected to one end of a series drive capacitor (90), drives inductive coils (92,96) so as to generate magnetic field components to form a composite magnetic field. A demodulation and processor circuit (98) recovers the modulated transponder signal on either of the magnetic field components for processing.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a transponder interrogating method;
- (b) an emitter for inductive coupling device; and
- (c) an impedance matching network providing method.

USE - Radio frequency identification (RFID) **interrogator**, for inductively coupled identification system or co-operative identification system, to interrogate or read a transponder or tag, used in asset and inventory control, access control, security and transportation application such as vehicle toll collection, parking and fee management. Also for interrogating transponders affixed to animals, to observe health, location or behavioral information.

ADVANTAGE - Enables generation of rotating magnetic fields to form a composite magnetic field with varying phase, and substantially constant amplitude, thus establishing a complete rotation around a symmetrical axis, and generating a multidimensional magnetic field.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of multidimensional electromagnetic field coil for inductively coupled identification system.

Drive circuit (84)  
Drive capacitor (90)  
Inductive coils (92,96)  
Processor circuit (98)  
pp; 14 DwgNo 3/6

Title Terms: RADIO; FREQUENCY; IDENTIFY; INTERROGATION; INVENTORY; CONTROL; INDUCTIVE; COIL; DRIVE; SO; GENERATE; MAGNETIC; FIELD; COMPONENT; FORMING; COMPOSITE; MAGNETIC; FIELD

Derwent Class: T05; T07; V02; W02; W05; X22; X27

International Patent Class (Main): G08B-026/00

International Patent Class (Additional): G08B-013/14

File Segment: EPI

7/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014405876 \*\*Image available\*\*

WPI Acc No: 2002-226579/200228

XRPX Acc No: N02-173928

**Packaged product identification system has RFID tag associated with product container, including local and remote memory, storing unique**

digital ID code and storage access code, respectively

Patent Assignee: INT PAPER CO (INTO )

Inventor: ELLIOT E A; MATTHEWS M A; RUDOLPH R F

Number of Countries: 092 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200179988	A1	20011025	WO 2001US12569	A	20010417	200228 B
AU 200157088	A	20011030	AU 200157088	A	20010417	200228

Priority Applications (No Type Date): US 2000197896 P 20000417

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200179988 A1 E 16 G06F-007/04

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200157088 A G06F-007/04 Based on patent WO 200179988

Abstract (Basic): WO 200179988 A1

NOVELTY - An RF ID tag (102) which is associated with a product container (101), has memory to store a unique digital ID code. The container has remote memory which stores storage access code for accessing additional data associated with the container. An **interrogator** retrieves the codes from the memory.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for product information provision method.

USE - For providing information such as trade name, manufacturer, product number, quantity per package, tracking manufacturing data and product specification information, quality control data and repair information of packaged products in material handling, tracking and control system.

ADVANTAGE - Facilitates retrieval of information from the RFID tag of non-contact, non-line of sight technology. Thus, permits reading of tags through snow, fog, ice, paint, crusted grime, and other visually and environmentally changing conditions, at high rate. Also, enables retrieval of accurate and up to date information associated with the particular product of item.

DESCRIPTION OF DRAWING(S) - The figure shows the functional diagram of identification system.

Production container (101)

RF ID tag (102)

pp; 16 DwgNo 1/3

Title Terms: PACKAGE; PRODUCT; IDENTIFY; SYSTEM; TAG; ASSOCIATE; PRODUCT;

CONTAINER; LOCAL; REMOTE; MEMORY; STORAGE; UNIQUE; DIGITAL; ID; CODE;

STORAGE; ACCESS; CODE; RESPECTIVE

Derwent Class: T01; T05; W02

International Patent Class (Main): G06F-007/04

File Segment: EPI

7/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014383938 \*\*Image available\*\*

WPI Acc No: 2002-204641/200226

Related WPI Acc No: 2001-637579

XRPX Acc No: N02-155660

**Radio frequency data communication system for remote data telemetry, has radio frequency identification device which transmits signal indicative of analog input, using backscatter transmitter, to A/D converter**

Patent Assignee: HAHN S (HAHN-I); VAN HORN M T (VHOR-I)

Inventor: HAHN S; VAN HORN M T  
 .. Number of Countries: 001 Number of Patents: 001  
 Patent Family:  

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010001553	A1	20010524	US 99249287	A	19990210	200226 B
			US 2001765235	A	20010116	

  
 Priority Applications (No Type Date): US 99249287 A 19990210; US 2001765235 A 20010116  
 Patent Details:  

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010001553	A1		11	G08B-013/14	Cont of application US 99249287

 Abstract (Basic): US 20010001553 A1  
 NOVELTY - A radio frequency identification device (RFID) (12) has an integrated circuit comprising a receiver (32) coupled to a microprocessor (36) for receiving wireless communications from a remote **interrogator** (18). The RFID transmits a signal indicative of an analog input, through a backscatter transmitter (30), to an analog-to-digital converter. The output of the converter is input to the integrated circuit.  
 DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:  
 (a) Data communication method;  
 (b) Method of manufacturing radio frequency communication system for use with remote **interrogator** unit  
 USE - Data communication system with **radio frequency** identification device used for **inventory** tracking and also for remote data telemetry.  
 ADVANTAGE - Measurements from analog devices are transmitted over long ranges, using the backscatter transmitter.  
 DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of radio frequency data communication system.  
 RFID (12)  
 Remote **interrogator** (18)  
 Backscatter transmitter (30)  
 Receiver (32)  
 Microprocessor (36)  
 pp; 11 DwgNo 1/5  
 Title Terms: RADIO; FREQUENCY; DATA; COMMUNICATE; SYSTEM; REMOTE; DATA; TELEMETRY; RADIO; FREQUENCY; IDENTIFY; DEVICE; TRANSMIT; SIGNAL; INDICATE ; ANALOGUE; INPUT; TRANSMIT; CONVERTER  
 Derwent Class: W02; W05; W06  
 International Patent Class (Main): G08B-013/14  
 International Patent Class (Additional): G08C-019/00; G08C-019/16; H04Q-005/22  
 File Segment: EPI

7/5/5 (Item 5 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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014366754 \*\*Image available\*\*  
 WPI Acc No: 2002-187456/200224  
 Related WPI Acc No: 2001-023201  
 XRPX Acc No: N02-142093

**Communication system for inventory tracking, has radio frequency identification device which receives wireless signal indicative of digital value from interrogator , for digital to analog conversion**  
 Patent Assignee: MICRON TECHNOLOGY INC (MICR-N)  
 Inventor: HAHN S; VAN HORN M T  
 Number of Countries: 001 Number of Patents: 001  
 Patent Family:  

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6342843	B1	20020129	US 99316329	A	19990521	200224 B

Priority Applications (No Type Date): US 99316329 A 19990521; US 2000653150 A 20000831

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6342843	B1		10	G08C-019/00	Cont of application US 99316329 Cont of patent US 6137422

Abstract (Basic): US 6342843 B1

NOVELTY - A radio frequency identification device (RFID) (10) having an integrated circuit (12) with a microprocessor (36), a transmitter (30), and a receiver (32), receives a wireless signal indicative of a digital value from a remote **interrogator** (18). The digital value is transmitted to a D/A converter for D/A conversion.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Communication method;
  - (b) Communication system assembling and operation execution method
- USE - For remote data telemetry, inventory tracking.

ADVANTAGE - Since D/A converter initiates a D/A conversion after receiving a wireless signal indicative of digital signal output at digital output port, from **interrogator**, analog systems are remotely controlled by transmitting a RF command over a wide range.

DESCRIPTION OF DRAWING(S) - The figure shows a circuit schematic diagram of **interrogator** and a radio frequency identification device.

RFID device (10)  
Integrated circuit (12)  
Remote **interrogator** (18)  
Transmitter (30)  
Receiver (32)  
Microprocessor (36)  
pp; 10 DwgNo 1/5

Title Terms: COMMUNICATE; SYSTEM; INVENTORY; TRACK; RADIO; FREQUENCY; IDENTIFY; DEVICE; RECEIVE; WIRELESS; SIGNAL; INDICATE; DIGITAL; VALUE; INTERROGATION; DIGITAL; ANALOGUE; CONVERT

Derwent Class: T01; T05; W05

International Patent Class (Main): G08C-019/00

International Patent Class (Additional): G08B-013/14; H04Q-005/22

File Segment: EPI

7/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013982532 \*\*Image available\*\*

WPI Acc No: 2001-466746/200151

XRPX Acc No: N01-346269

**Spacer for goods including waveguide for radio frequency waves for use in RF electronic identification systems, in which body is provided on or in which waveguide is mounted**

Patent Assignee: SUPERSENSOR PTY LTD (SUPE-N)

Inventor: FOURIE A P C; KRUGER J D; PIETERSE H; TURNER C G G; FOURLE A P C

Number of Countries: 029 Number of Patents: 005

## Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1071154	A2	20010124	EP 2000306298	A	20000724	200151 B
CN 1282153	A	20010131	CN 2000121458	A	20000724	200151
JP 2001143013	A	20010525	JP 2000222353	A	20000724	200151
ZA 200003699	A	20010328	ZA 20003699	A	20000721	200151
US 6388630	B1	20020514	US 2000624006	A	20000721	200239

Priority Applications (No Type Date): ZA 2000360 A 20000127; ZA 994722 A 19990722



Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
EP 1071154 A2 E 11 H01P-001/00  
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI  
CN 1282153 A H04B-005/02  
JP 2001143013 A 28 G06K-007/08  
ZA 200003699 A 23 H04B-000/00  
US 6388630 B1 G08B-013/187

Abstract (Basic): EP 1071154 A2

NOVELTY - The spacer is provided for goods or **items** including a waveguide for **radio frequency** waves. The spacer may include a body on or in which the waveguide is mounted.

DETAILED DESCRIPTION - The spacer for goods includes a waveguide (28.1) for radio frequency signals, and a crate (16.1) or pallet. When the goods (16.1 to 16.9) in an array are spaced with the waveguides, signals from an **interrogator** (12) of an RF electronic identification system (10) are guided via the waveguide to transponders (14.1 to 14.9) of the system mounted on the items. Response signals from the transponders are similarly guided in the reverse direction, such that the transponders may be read. INDEPENDENT CLAIMS are included for; an arrangement of **items** forming a **radio frequency** identification system, and including a waveguide; a method of arranging a radio frequency identification system.

USE - Radio frequency waveguides associated with spacers, carriers and containers for a number of items to be identified for use with electronic identification systems, for e.g. crates carrying containers e.g. bottles, cans holding liquid e.g. soft drinks.

ADVANTAGE - Enables propagation of energising signal to energise or interrogate transponders.

DESCRIPTION OF DRAWING(S) - The drawing shows a diagrammatic view of a three dimensional array of crates according to the invention, stacked and arranged to allow propagating radio frequency waves and energy to propagate into and through the array.

RF electronic identification system (10)

**Interrogator** (12)

Transponders (14.1 to 14.9)

Crate (16.1)

goods (16.1 to 16.9)

Waveguide (28.1)

pp; 11 DwgNo 2/8

Title Terms: SPACE; GOODS; WAVEGUIDE; RADIO; FREQUENCY; WAVE; RF;  
ELECTRONIC; IDENTIFY; SYSTEM; BODY; WAVEGUIDE; MOUNT

Derwent Class: W02; X25

International Patent Class (Main): G06K-007/08; G08B-013/187; H01P-001/00;  
H04B-000/00; H04B-005/02

International Patent Class (Additional): G06K-009/62; G06K-017/00;  
G06K-019/07; G06K-019/077; H01Q-013/10; H04B-001/59; H04B-005/00

File Segment: EPI

7/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013661564 \*\*Image available\*\*

WPI Acc No: 2001-145776/200115

Related WPI Acc No: 1998-362095; 2002-625891

XRPX Acc No: N01-106563

**Radio frequency interrogatable processing used in tracking locations of people, involves distributing defined articles into enclosure with wireless spread spectrum interrogatable unit**

Patent Assignee: SYMBOL TECHNOLOGIES INC (SYMB-N)

Inventor: KATZ J; SWARTZ J; WANG C



Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6128549	A	20001003	US 96667766	A	19960621	200115 B
			US 9894840	A	19980615	

Priority Applications (No Type Date): US 9894840 A 19980615; US 96667766 A 19960621

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6128549	A		13	G06F-007/00	CIP of application US 96667766 CIP of patent US 5768140

Abstract (Basic): US 6128549 A

NOVELTY - The method involves defining an article assortment inclusive of articles of different descriptions. The articles are then distributed into an enclosure which is provided with a wireless spread spectrum interrogatable unit.

DETAILED DESCRIPTION - The wireless spread spectrum interrogatable unit has a unit memory (36) that stores indications of the descriptions of the articles contained in the enclosure. A detector (38) is provided for detecting an incoming message. A message assembler (48) processes a set of data retrieved from the unit memory into an outgoing message. A controller (42) is connected to the detector for controlling retrieval of designated data from the unit memory and for controlling the message assembler. A wireless spread spectrum transmitter (52) sends out the assembled message. INDEPENDENT CLAIMS are also included for the following:

- (a) the RF interrogatable processing system;
- (b) and the wireless spread spectrum interrogatable unit.

USE - Used in tracking locations of people e.g. doctors in hospitals, parties entering and leaving secured areas, and in various electronic article surveillance systems.

ADVANTAGE - Extends use of active **RF** tags in improved article **inventory** processing. Allows **interrogator** to communicate with selected tag without worrying that non-selected tags will be responding to the interrogation message. Ensures that communication over short distances could be carried over short range communication network, while communications over long distances can be carried over long range communications network. Uses one-way or two-way network.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic block diagram of the article RF tags together with the unit for providing preamble code and article identification input to the memory of the article RF tags.

Unit memory (36)  
Detector (38)  
Controller (42)  
Message assembler (48)  
Wireless spread spectrum transmitter (52)  
pp; 13 DwgNo 2/9

Title Terms: RADIO; FREQUENCY; INTERROGATION; PROCESS; TRACK; LOCATE; PEOPLE; DISTRIBUTE; DEFINE; ARTICLE; ENCLOSE; WIRELESS; SPREAD; SPECTRUM; INTERROGATION; UNIT

Derwent Class: T01; T05; W02; W06

International Patent Class (Main): G06F-007/00

File Segment: EPI

7/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013250606 \*\*Image available\*\*

WPI Acc No: 2000-422489/200036

XRPX Acc No: N00-315296

Radio frequency identification device for inventory control, has identification signal output circuit, whose operation is permitted only when selectively actuated switch supported by housing, is pressed

Patent Assignee: MICRON COMMUNICATIONS INC (MICR-N)

Number of Countries: 081 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023941	A1	20000427	WO 98US22334	A	19981021	200036 B
AU 9911129	A	20000508	WO 98US22334	A	19981021	200037
			AU 9911129	A	19981021	

Priority Applications (No Type Date): WO 98US22334 A 19981021

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200023941 A1 E 29 G06K-019/07

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9911129 A G06K-019/07 Based on patent WO 200023941

Abstract (Basic): WO 200023941 A1

NOVELTY - The radio frequency identification device (12) has a housing in which a circuit (16) for outputting signal to identify the device in response to interrogation signal, is provided. The operation of circuit is permitted, only when a selectively actuated switch (30) supported by housing, is pressed.

DETAILED DESCRIPTION - The device has a switch which is a momentary, or pressure sensitive switch, or momentary, touch actuated switch. The device includes a battery for supplying power to two identification signal output circuits. An INDEPENDENT CLAIM is also included for radio frequency identification device manufacturing method.

USE - **Radio - frequency** identification ( **RFID** ) device used for **inventory** control, object monitoring, determining the existence, location or movement of objects or for remote automated payment, product manufacturing, merchandising operations.

ADVANTAGE - Since the RFID device has an active transponder instead of transponder which relies on magnetic coupling for power, it has a much greater range. Enables operation of switch for operating the ID signal output circuit, from outside the housing by touching a portion of the housing, reliably.

DESCRIPTION OF DRAWING(S) - The figure shows the high level circuit schematic diagram illustrating the **interrogator** and RFID device.

Radio frequency identification device (12)

Circuit (16)

Switch (30)

pp; 29 DwgNo 1/9

Title Terms: RADIO; FREQUENCY; IDENTIFY; DEVICE; INVENTORY; CONTROL; IDENTIFY; SIGNAL; OUTPUT; CIRCUIT; OPERATE; PERMIT; SELECT; ACTUATE; SWITCH; SUPPORT; HOUSING; PRESS

Derwent Class: T04; T05; W02; W06

International Patent Class (Main): G06K-019/07

File Segment: EPI

7/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013223695 \*\*Image available\*\*

WPI Acc No: 2000-395569/200034

XRPX Acc No: N00-297323

Goods identification device consists of interrogator , which generates response signal based on data read from tag provided to goods

Patent Assignee: MITSUBISHI MATERIALS CORP (MITV )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000137873	A	20000516	JP 98312051	A	19981102	200034 B

Priority Applications (No Type Date): JP 98312051 A 19981102

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000137873	A		14	G08B-013/24	

Abstract (Basic): JP 2000137873 A

NOVELTY - A memory which stores intrinsic data of goods (11) is provided to a tag. An electromagnetic wave from antenna (18) resonates the tag (12) and is activated. An **interrogator** (16) generates a response signal based on the data read from tag. The goods (11), tag (12) and **interrogator** (16) are enclosed in a metal case (17). The goods are inserted in a void (18b) of **interrogators** for identification.

DETAILED DESCRIPTION - The memory which stores intrinsic data is provided to RFID element (15) which is connected to the antenna rod of the tag.

USE - For identifying **goods** in metal case using **radio frequency** identification technique.

ADVANTAGE - Since goods are inserted in the void and magnetic field is generated by electromagnetic wave only to the width direction of the void, magnetic field is not leaked from the void and transmitting and receiving is reliably performed between the **interrogator** and tag without being influenced by electromagnetic noise besides the metal case.

DESCRIPTION OF DRAWING(S) - The figure shows the cross-sectional block diagram of goods identification device.

Goods (11)

Tag (12)

RFID element (15)

**Interrogator** (16)

Metal case (17)

Antenna (18)

Void (18b)

pp; 14 DwgNo 1/17

Title Terms: GOODS; IDENTIFY; DEVICE; CONSIST; INTERROGATION; GENERATE; RESPOND; SIGNAL; BASED; DATA; READ; TAG; GOODS

Derwent Class: W05

International Patent Class (Main): G08B-013/24

File Segment: EPI

7/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013153181 \*\*Image available\*\*

WPI Acc No: 2000-325053/200028

XRFX Acc No: N00-244724

**Goods identification device superimposes frequency range containing all resonance frequencies of tags appended to goods with predetermined frequency range**

Patent Assignee: MITSUBISHI MATERIALS CORP (MITV )

Inventor: GAKUJI U; ISHIHARA O; UOZUMI G

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000101471	A	20000407	JP 98270781	A	19980925	200028 B

EP 1120733 A1 20010801 EP 2000101542 A 20000127 200144 N  
US 6346884 B1 20020212 US 2000533935 A 20000323 200219 N

Priority Applications (No Type Date): JP 98270781 A 19980925; EP 2000101542  
A 20000127; US 2000533935 A 20000323

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2000101471 A 8 H04B-001/59

EP 1120733 A1 E G06K-007/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

US 6346884 B1 G08B-013/14

Abstract (Basic): JP 2000101471 A

NOVELTY - An oscillation circuit (16i) provided in an **interrogator** (16) sweeps em wave oscillated from transmitting and receiving antenna (16a) within predetermined frequency range. The frequency range containing all resonance frequencies of tags (12) appended to goods (11) that respectively changes is superimposed with predetermined frequency range.

DETAILED DESCRIPTION - By oscillating the em wave of frequency at which tag resonates from the antenna (16a) of **interrogator** (16), tag (12) is activated and intrinsic data is read from memory based on read out command obtained by data communication of em wave.

USE - For identifying **goods** such as envelopes using **radio frequency** identification (RFID) technique.

ADVANTAGE - The **interrogator** can identify goods reliably even when tag appended to goods is overlapped with other tag or metal plate, by using oscillation circuit.

DESCRIPTION OF DRAWING(S) - The figure shows circuit block diagram of goods identification device.

Goods (11)

**Interrogator** (12 Tag(16)

Antenna (16a)

Oscillation circuit (16i)

pp; 8 DwgNo 1/7

Title Terms: GOODS; IDENTIFY; DEVICE; SUPERIMPOSED; FREQUENCY; RANGE;  
CONTAIN; RESONANCE; FREQUENCY; TAG; APPENDAGE; GOODS; PREDETERMINED;  
FREQUENCY; RANGE

Derwent Class: W02

International Patent Class (Main): G06K-007/00; G08B-013/14; H04B-001/59

International Patent Class (Additional): H04B-005/02; H04B-007/26

File Segment: EPI

7/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013110407 \*\*Image available\*\*

WPI Acc No: 2000-282278/200024

Related WPI Acc No: 2002-074651

XRPX Acc No: N00-212434

A radio frequency **identification device** for inventory control, object monitoring or remote automated payment includes a device with a power source controlled by a switch and an antenna to communicate with an interrogator

Patent Assignee: MICRON TECHNOLOGY INC (MICR-N)

Inventor: TUTTLE M E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6037879	A	20000314	US 97942781	A	19971002	200024 B

Priority Applications (No Type Date): US 97942781 A 19971002

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6037879 A 12 H04Q-005/22

Abstract (Basic): US 6037879 A

NOVELTY - A radio frequency data communication device (12) includes radio frequency identification (RFID) circuitry (16), an antenna (14) and a power source (18) controlled by a push button switch (30) permitting operation only when the switch is activated. An **interrogator** (26) transmits an interrogation signal (27) via its antenna (28) and, when the button is pressed, the communication device responds by transmitting a responsive signal (29) to uniquely identify the device.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of manufacturing a wireless identification device.

USE - The **radio frequency** identification device is used for **inventory** control, object monitoring or remote automated payment.

ADVANTAGE - The user has control over when the device responds to the **interrogator** allowing protection of access to sensitive information. Power consumption is minimized, this being particularly important when an encapsulated battery is incorporated to simplify the design so reducing the cost, seal the battery from moisture and contaminants and for cosmetic appeal.

DESCRIPTION OF DRAWING(S) - The figure shows a high level circuit diagram of an **interrogator** and a radio frequency identification device.

RF identification device (12)

Antennae (14, 28)

RFID circuitry (16)

Power source (18)

**Interrogator** (26)

Interrogation signal (27)

Responsive signal (29)

Push button switch (30)

pp; 12 DwgNo 1/9

Title Terms: RADIO; FREQUENCY; IDENTIFY; DEVICE; INVENTORY; CONTROL; OBJECT  
; MONITOR; REMOTE; AUTOMATIC; PAY; DEVICE; POWER; SOURCE; CONTROL; SWITCH  
; ANTENNA; COMMUNICATE; INTERROGATION

Derwent Class: W01; W05

International Patent Class (Main): H04Q-005/22

File Segment: EPI

File 16:Gale Group PROMT(R) 1990-2003/Jan 20  
 (c) 2003 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2003/Jan 17  
 (c)2003 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2003/Jan 20  
 (c) 2003 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jan 17  
 (c) 2003 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 20  
 (c) 2003 The Gale Group  
 File 47:Gale Group Magazine DB(TM) 1959-2003/Jan 15  
 (c) 2003 The Gale group  
 File 570:Gale Group MARS(R) 1984-2003/Jan 20  
 (c) 2003 The Gale Group

?ds

Set	Items	Description
S1	19120	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO() FREQUENC? OR RF OR RFID)
S2	3185305	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E() (SHOP? ? - OR STORE? ? OR SHOPPE?) OR BRICK() MORTAR? OR BAM
S3	14	READER() INTERROGATOR?
S4	172	S1(5N) S2
S5	145	S4 NOT PY>2001
S6	136	S5 NOT PD=20000905:20001231
S7	69	RD (unique items)
S8	0	S1(S) S3
S9	40	S1(S) INTERROGATOR?
S10	40	S9 NOT S7
S11	37	S10 NOT PY>2001
S12	29	S11 NOT PD=20000905:20001231
S13	18	RD (unique items)



7/3,K/1 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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10197857 Supplier Number: 90775356 (USE FORMAT 7 FOR FULLTEXT)  
**Sensormatic Enters New Market With First RFID In-Store Inventory Management  
Installation at Movie Gallery.**

Business Wire, p1568

May 23, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 810

... RFID with the security benefits of UltraMax anti-shoplifting  
systems.

"Sensormatic is developing the flexible **products** needed to provide  
**RFID** and security solutions throughout the **retail** supply chain,"  
Cannellos said. "We have the technology and team in place and we are..."

7/3,K/2 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

10071163 Supplier Number: 84599654 (USE FORMAT 7 FOR FULLTEXT)  
**Another exception-al year for RFID : Don't look now but we may have found a  
sliver of industry that's showing a little growth in this dark economy.**

Burnell, John

Frontline Solutions, v2, n13, p30

Dec, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Professional

Word Count: 1010

... clear. The Gap, Wal-Mart, Revlon, Procter & Gamble, and McDonald's  
are among the leading **retailers** and consumer **goods** manufacturers  
currently conducting **RFID** trials.

Many of these trials, and future outcomes, are related to major  
standard initiatives led...

7/3,K/3 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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09321628 Supplier Number: 81221653 (USE FORMAT 7 FOR FULLTEXT)  
**RFID tracks packages, 'speaks' to consumers: smart packages not only  
improve supply chain management--they ensure product security,  
authentication. (Emerging Technology).**

Barry, Christopher

Food & Drug Packaging, v65, n11, p53(4)

Nov, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1537

... display process.

With this technology, the number of false store alarms set off by  
"live" **RF** tagged **merchandise** can be reduced. **Retailers** have the  
option of leaving the tags turned off if they aren't compatible with...

...if they become creased, crumpled or damaged. They can also resist  
moisture, dirt or dust.

**RETAIL MONITORING**

With **RFID** tracking, **retailers** could manage **inventories**

automatically instead of by hand. Even packagers, suppliers and manufacturers could use RFID technologies to...

7/3,K/4 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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09288961 Supplier Number: 80855314 (USE FORMAT 7 FOR FULLTEXT)

**Web. (Marketplace).**

The Engineer, v290, n7578, p27(1)

Nov 16, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Academic

Word Count: 39

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Texas Instruments has launched its **eStore** ordering facility that allows its **radio frequency** identification **products** to be purchased online. Evaluation kits plus sample hardware can be ordered in small quantities...

7/3,K/5 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

09281359 Supplier Number: 80774269 (USE FORMAT 7 FOR FULLTEXT)

**Store of the future. (Technologies: EAS).**

McNichols, Shawn

Security, v38, n12, p35(2)

Dec, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1043

... the consumer is a top priority of retailers and those that provide security for the **merchandise**. " **RFID** technology is conducive to a **retail** environment. Electronic signatures is a platform of technology that we recently announced that is an...

7/3,K/6 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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09193680 Supplier Number: 74219909 (USE FORMAT 7 FOR FULLTEXT)

**TOP TECHNOLOGIES.**

Francella, Barbara Grondin

Convenience Store News, v37, n5, p28

April 16, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 3141

... placed on a tote at the wholesaler, when it is packed with items for the **retailer**," Hervey suggested. "The **RFID** tag would identify what **items** are in the tote. Then, an RFID reader at the door of the store would ...

7/3,K/7 (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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09044261 Supplier Number: 78804485 (USE FORMAT 7 FOR FULLTEXT)

**SmartShelf: A pro-active technology. (Brief Article)**

Modern Materials Handling, v56, n10, p21

Sept, 2001

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 328

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

An innovative **radio frequency** identification (REID) **product**, SmartShelf, is expected to revolutionize **retailing** by providing real-time information on consumer actions, shelf inventory and product merchandizing.

**7/3,K/8 (Item 8 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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08766117 Supplier Number: 76132923 (USE FORMAT 7 FOR FULLTEXT)

**RFID Chips Put To The Test -- Procter & Gamble and major clothing retailer will test devices to replace bar codes. (Company Operations)**

Rosen, Cheryl

InformationWeek, p55

July 2, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; General Trade

Word Count: 461

... boxes during the holiday shopping season, making it difficult to find a specific item in **inventory**.

The **retailer** hopes to push **RFID** device prices down to 10 cents (from 25 cents to 75 cents) by ordering as...

**7/3,K/9 (Item 9 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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08628735 Supplier Number: 74508468 (USE FORMAT 7 FOR FULLTEXT)

**Sensormatic Introduces First Fully-Integrated RFID System to the Retail Market; New SensorSmart Product Line Provides Merchandise Information Anywhere, Any Time.**

Business Wire, p0331

May 15, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 903

... expanding on our expertise with security technologies into total supply chain management."

According to Loof, **inventory** management is one of the **RFID** applications most requested by **retailers**. During recent in-store testing, inventory counting was completed five to eight times faster with...

...provide real-time information on what is in the store at any given time. Specialty **retailer** J. Crew is testing **RFID** for store level **inventory** counting to reduce out-of-stock situations, obsolete inventory and to allow associates to quickly...

**7/3,K/10 (Item 10 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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08441221 Supplier Number: 71902324 (USE FORMAT 7 FOR FULLTEXT)

**RETAIL E-VOLUTION.**

TRATENSEK, DAN M.

Do-It-Yourself Retailing, v180, n3, p49

March, 2001

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 5094

... Other members of our retail panel agree. More than 60 percent of our tech-savvy **retailers** are currently using **RF** scanning to track **product** movement in their stores. And, this group of RF users said they would be placing...

7/3,K/11 (Item 11 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08399997 Supplier Number: 71326066 (USE FORMAT 7 FOR FULLTEXT)

**Marconi Commerce Systems. (Marconi Commerce Systems Inc.) (Brief Article)**

Chain Store Age Executive with Shopping Center Age, v77, n2, p73

Feb, 2001

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 73

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...N.C.-based Marconi Commerce Systems has developed a new RFID payment device for the **retail** marketplace. The **product** allows customers to wave an **RFID** -enabled device--such as a key fob--in front of the reader to make their...

7/3,K/12 (Item 12 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08247903 Supplier Number: 69436212 (USE FORMAT 7 FOR FULLTEXT)

**TIRIS Division Changes Name to Texas Instruments RFID Systems.**

PR Newswire, p6937

Jan 24, 2001

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 525

... more directly across all markets and applications."

TI\*RFID recently announced its eCommerce capabilities, called **eStore**, which makes its **RFID products** more readily available for engineers and systems integrators to evaluate and deploy RFID technology for...

7/3,K/13 (Item 13 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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08188450 Supplier Number: 68729290 (USE FORMAT 7 FOR FULLTEXT)

**Marconi Commerce Systems Introduces New Wireless Payment Option for the Retail Marketplace.**

Business Wire, p2329

Jan 4, 2001

Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 615

... uses Radio Frequency Identification (RFID) technology to speed payment of an order, which benefits the **retailer** and the consumer. With **RFID** technology, customers purchase **products** by waving their **RFID** device, such as a key tag, in front of the reader. Marconi is offering readers...

**7/3,K/14 (Item 14 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07223471 Supplier Number: 61535546 (USE FORMAT 7 FOR FULLTEXT)  
**Intermec Teams With Epsilon to Provide Complete Solution for Retailers.**  
Business Wire, p0549  
April 17, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 395

... multiple application software from Epsilon Technology Solutions to give retailers real-time data.

Intermec offers **retailers** a complete, integrated line of **products** -- hand-held computers, scanners, printers, **RFID**, mobile systems and wireless networks to provide retailers one source for their hardware and support...

**7/3,K/15 (Item 15 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06800475 Supplier Number: 57532813 (USE FORMAT 7 FOR FULLTEXT)  
**Sensormatic Shareholders Re-Elect Two Directors; CEO Loof Recaps Prior Year's Successes, Outlines Plans for Future Growth At Annual Stockholders' Meeting.**  
Business Wire, p1379  
Nov 12, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 656

... to benefit from the record number of new products introduced during 1999, including digital video **products**, networked access control applications and **RFID products** for the **retail** supply chain. Loof then defined his vision for Security and Beyond, a new program designed...

**7/3,K/16 (Item 16 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06665145 Supplier Number: 55880158 (USE FORMAT 7 FOR FULLTEXT)  
**Intermec Introduces RFID Intelligent Label for Tracking Dynamic Supply Chain Information.**  
PR Newswire, p4435  
Sept 28, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 681

... quantity for a variety of item management applications ranging from

· automotive, electronics and logistics to **retail** and consumer **goods** .  
· "Customers can quickly incorporate **RFID** with their existing bar  
code data collection systems, gaining the expanded capability of RFID while  
...

7/3,K/17 (Item 17 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06594591 Supplier Number: 55579307 (USE FORMAT 7 FOR FULLTEXT)  
**News briefs. ((Enterprise Resource Planning))**  
Transportation & Distribution, v40, n8, pSCF4  
August, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 519

... news  
Symbol Technologies and Texas Instruments will develop market  
opportunities for the integration of TIRIS **RFID products** and solutions  
in **retail** , logistics, supply chain and other applications with an initial  
focus in North America and Europe...

7/3,K/18 (Item 18 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06499203 Supplier Number: 55204865 (USE FORMAT 7 FOR FULLTEXT)  
**Asante Technologies Unveils Comprehensive Connectivity Platform and Product  
Roadmap for the Emerging Small/Home Office Market.**  
Business Wire, p0302  
July 20, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 443

... 1.0 (1 Mbps). These products will be available in the next 60 days  
through **retail** and reseller channels.  
Initial wireless **products** consist of an USB-to- **RF** adapter and a  
PCI-to-RF adapter both with built-in RF modems. Product availability...

7/3,K/19 (Item 19 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06486323 Supplier Number: 55151529 (USE FORMAT 7 FOR FULLTEXT)  
**Short Takes. (Symbol Technologies and Texas Instruments, PubliCard and Absec  
Ltd.) (Company Business and Marketing) (News Briefs) (Brief Article)**  
Computer Reseller News, p109  
July 12, 1999  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 144

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...work in close cooperation to develop market opportunities for the  
integration of TI's Tiris **radio - frequency** identification **products** and  
solutions in **retail** , logistics, supply chain and other applications, said  
the companies. Symbol also said it plans to...



7/3,K/20 (Item 20 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06462824 Supplier Number: 55359106 (USE FORMAT 7 FOR FULLTEXT)  
**In Brief (GOING DUTCH).**  
Automatic I.D. News, v15, n7, p24  
June, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 390

... multinationals signed separate development and distribution deals for the technology. Symbol Technologies will offer Performa **RFID products** from Checkpoint Systems to **retail** customers for supply chain applications.

Checkpoint's and Symbol's top 50 to 100 retail...

7/3,K/21 (Item 21 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06448525 Supplier Number: 55033877 (USE FORMAT 7 FOR FULLTEXT)  
**Symbol Technologies to Develop Automatic Data Collection Solutions With Texas Instruments TIRIS RFID Technology.**  
Business Wire, p1243  
June 30, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 580

... to work in close cooperation to develop market opportunities for the integration of TIRIS(TM) **RFID products** and solutions in **retail**, logistics, supply chain, and other applications, with an initial focus in North America and Europe...

7/3,K/22 (Item 22 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06447632 Supplier Number: 55029265 (USE FORMAT 7 FOR FULLTEXT)  
**Symbol Technologies to Develop Automatic Data Collection Solutions With Texas Instruments TIRIS(TM) RFID Technology.**  
PR Newswire, p2832  
June 30, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 592

... to work in close cooperation to develop market opportunities for the integration of TIRIS(TM) **RFID products** and solutions in **retail**, logistics, supply chain, and other applications, with an initial focus in North America and Europe...

7/3,K/23 (Item 23 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06408333 Supplier Number: 54866536 (USE FORMAT 7 FOR FULLTEXT)  
**Checkpoint New Technology Delivers Unprecedented, In-Floor EAS Loss-Prevention System.**

Business Wire, pl413  
June 14, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 508

... RF sensors and disposable tags for retail electronic article surveillance. Checkpoint offers a family of **RFID products** (tags and readers) which target **retail**, library, industrial, commercial, and VAR applications. As a global provider, Checkpoint has 350,000 systems...

**7/3,K/24 (Item 24 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06386181 Supplier Number: 54790425 (USE FORMAT 7 FOR FULLTEXT)  
**EMJOI UNVEILS NEW WELLNESS APPLIANCE.**  
HFN The Weekly Newspaper for the Home Furnishing Network, p94  
May 17, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General  
Word Count: 292

... Emjoi will be showing at the Gourmet Products Show. These include the Beauty Forever, a **radio - frequency**-based hair-removal **product** with a suggested **retail** price of \$59.99, and the Gently Gold Caress, a epilator that the company claims...

**7/3,K/25 (Item 25 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06353926 Supplier Number: 54682122 (USE FORMAT 7 FOR FULLTEXT)  
**Retailers And Manufacturers Meet In Support of Source Tagging.**  
Business Wire, pl405  
May 20, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 651

... presentations and working sessions, the conference included concurrent workshops on available radio frequency identification technology ( **RFID** ) systems for **retail** applications, **product** marketing and merchandising with **RF** electronic article surveillance, label integration solutions, and other RF technology developments.  
Checkpoint Systems, Inc. located...

**7/3,K/26 (Item 26 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06295325 Supplier Number: 54477383 (USE FORMAT 7 FOR FULLTEXT)  
**Bar Codes Go Wireless; New RFID Technology Expands Opportunities for Automated Data Collection.**  
PR Newswire, p3425  
April 26, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 263

... services). High-volume growth opportunities are expected in supply chain management applications, where suppliers and **retailers** can use

RFID to track individual items -- in real time -- from the production floor to the end customer.  
Intermec recently introduced semiconductor...

7/3,K/27 (Item 27 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06210992 Supplier Number: 54180253 (USE FORMAT 7 FOR FULLTEXT)  
Initial series of products will utilize Ethernet, home phone lines --  
Microsoft, 3Com Connect to Produce Home Network Kits. (Company Business and Marketing)  
Rooney, Paula  
Computer Retail Week, p7(1)  
March 22, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 574

... 1.6M-bps wireless home-networking and Internet-sharing products available to retail channels. Suggested retail prices for the products, which are based on radio - frequency technology, are \$149 for the Cordless ISA Card, \$199 for the Cordless PC Card and...

7/3,K/28 (Item 28 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06107403 Supplier Number: 53690085 (USE FORMAT 7 FOR FULLTEXT)  
ACCESSORIES IN FULL FORCE AT CES.  
Lewis, Jeff  
HFN The Weekly Newspaper for the Home Furnishing Network, p90(1)  
Jan 4, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General  
Word Count: 444

... dish, allowing users to get broadcast channels in their local area. It carries a suggested retail price of \$69.99.

Other products -- including coax cables, RF modulators and other assorted cables and connectors -- have been redesigned. The new packaging will clearly...

7/3,K/29 (Item 29 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

05751955 Supplier Number: 50235759 (USE FORMAT 7 FOR FULLTEXT)  
WebGear Announces Aggressive Pricing on Aviator Wireless LAN Products for Home and Small Office PC Users.  
Business Wire, p8101019  
August 10, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; Trade  
Word Count: 858

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...Inc., the first company to develop, market and actually ship Home and Small Office Wireless RF Local Area Networking (LANs) products into the retail channel today announced a major price reduction aimed at widening

the potential customer base for...

7/3,K/30 (Item 30 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

05424462 Supplier Number: 48227295 (USE FORMAT 7 FOR FULLTEXT)  
**GERS Retail Systems Introduces New Solutions Software At NRF.**  
Business Wire, p01150080  
Jan 15, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 407

... in New York.

GERS is the leading supplier of Oracle relational database solutions to the **retail** industry. The GERS **product** suite includes point-of-sale, **radio frequency** warehousing, purchasing, **inventory** management and accounting applications.

GERS **Retail** Systems provides fully integrated, open systems computer solutions software, hardware, and comprehensive training for the...

7/3,K/31 (Item 31 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

05369703 Supplier Number: 48165886 (USE FORMAT 7 FOR FULLTEXT)  
**Altec Lansing and RF-Link jump into home networks**  
Boyd-Merritt, Rick  
Electronic Engineering Times, p20  
Dec 8, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 767

... the control back channel. That system could also include an upgraded VGA-to-NTSC converter.

**RF** -Link is currently selling its **product** through **retail** outlets but is looking for OEM partners to sell or customize its technology for next...

7/3,K/32 (Item 32 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

05050454 Supplier Number: 47413630 (USE FORMAT 7 FOR FULLTEXT)  
**Wireless: Proxim and Monarch team up to deliver wireless portable scanner/printer**  
EDGE: Work-Group Computing Report, pN/A  
May 26, 1997  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 512

... used to collect, process, print and apply information in real time, and is targeted at **retail**, healthcare and other **inventory** management environments.

" **RF** technology saves money, boosts efficiency and accuracy, cuts paperwork and saves steps," said John Paxton...

7/3,K/33 (Item 33 from file: 16)

. DIALOG(R)File 16:Gale Group PROMT(R)  
' (c) 2003 The Gale Group. All rts. reserv.

05034937 Supplier Number: 47391980 (USE FORMAT 7 FOR FULLTEXT)  
**Proxim and Monarch team up to deliver wireless portable scanner/printer.**  
Business Wire, p05190042  
May 19, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 632

... used to collect, process, print and apply information in real time,  
and is targeted at **retail**, healthcare and other **inventory** management  
environments.

" **RF** technology saves money, boosts efficiency and accuracy, cuts  
paperwork and saves steps," said John Paxton...

**7/3,K/34 (Item 34 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04864323 Supplier Number: 47154496 (USE FORMAT 7 FOR FULLTEXT)  
**Checkpoint Systems, Inc. and Kohl's Department Stores sign exclusive  
five-year contract for RF EAS Systems.**  
Business Wire, p02250050  
Feb 25, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 284

... and Kohl's, a 150 store chain, will partner to pursue RF source  
tagging (embedding **RF** labels in **merchandise** before it reaches the  
**retail** level) for softlines, including denim, sports apparel and intimate  
apparel. Kohl's will also install...

**7/3,K/35 (Item 35 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04836164 Supplier Number: 47115328 (USE FORMAT 7 FOR FULLTEXT)  
**Off the Books**  
Amato-McCoy, Deena  
Supermarket News, p23  
Feb 10, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 870

... printed behemoth - is gaining momentum because it's producing  
immediate and tangible benefits for both **retailers** and wholesalers.  
Electronic **product** lists and **radio frequency** technology enable  
store staff to electronically order products without the need to sift  
through pages...

**7/3,K/36 (Item 36 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04790533 Supplier Number: 47050364 (USE FORMAT 7 FOR FULLTEXT)  
**Checkpoint Systems & Shore to Shore**  
Hardie, Crista; MacLellan, Andrew; Cohen, Sarah; Brown, Peter  
Electronic News (1991), p021

Jan 20, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 105

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Checkpoint Systems is allying with Shore to Shore to embed **radio frequency** ( **RF** ) security circuits in **retail merchandise** labels. The paper-thin quality of Checkpoint's RF circuits allows them to be hidden...

7/3,K/37 (Item 37 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04713394 Supplier Number: 46939808 (USE FORMAT 7 FOR FULLTEXT)

**Altec Lansing Technologies & Motorola**

Electronic News (1991), p023

Dec 2, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 110

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...and home entertainment markets using a combination of their DSP (digital signal processing) and RF ( **radio frequency** ) technologies. OEM and **retail products** are anticipated later this year. Current 900MHz/2.4GHz audio transmissions suffer from low quality...

7/3,K/38 (Item 38 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04680572 Supplier Number: 46889379 (USE FORMAT 7 FOR FULLTEXT)

**Checkpoint Systems announces radio frequency source tagging partnership with Microsoft Corporation.**

Business Wire, p11141148

Nov 14, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 346

... to Dave Shoemaker, vice president of business development for Checkpoint, Microsoft joins hundreds of other **retail** vendors in providing **RF** source tagged **merchandise** . "We are extremely pleased with Microsoft's decision to RF source tag for our shared...

7/3,K/39 (Item 39 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04610248 Supplier Number: 46781220 (USE FORMAT 7 FOR FULLTEXT)

**Wireless networks spread their wings**

PC Week, pN12

Oct 7, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 1264

... IR, albeit in vertical markets.

Symbol Technologies Inc., for example, is successfully targeting its



· Spectrum **RF** products at the stock exchange, **retailing** and  
· transportation industries. "The business applications that we target can't  
be implemented without a...

7/3,K/40 (Item 40 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04073034 Supplier Number: 45930660 (USE FORMAT 7 FOR FULLTEXT)  
**Fay's Incorporated begins chainwide installation of Checkpoint Systems,  
Inc.'s radio frequency (RF) EAS systems.**  
Business Wire, p11131266  
Nov 13, 1995  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 347

... RF security labels into products or packaging during manufacture,  
has taken a foothold in the **retail** industry. More than 200 consumer  
**product** manufacturers are using **RF** security labels to source tag  
thousands of products prone to high shoplifting losses. Retailers, through  
...

7/3,K/41 (Item 41 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03789847 Supplier Number: 45395908 (USE FORMAT 7 FOR FULLTEXT)  
**The Latest in Shrinking Shrinkage**  
HFN The Weekly Newspaper for the Home Furnishing Network, p8  
March 13, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General  
Word Count: 1925

... most prevalent one.  
The two EAS technologies of choice, used by the majority of hard  
**goods** /home furnishings **retailers** are **radio frequency** and  
acousto-magnetic.  
The battle for domination in the business of Electronic Article  
Surveillance has...

7/3,K/42 (Item 42 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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03495923 Supplier Number: 44889764 (USE FORMAT 7 FOR FULLTEXT)  
**THE PRICE OF INTEGRITY: Retailers are investing in upgraded price  
verification systems to take the scandal out of scanning**  
Supermarket News, p15  
August 1, 1994  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1482

... speed.  
Electronic shelf tags feature a liquid crystal display to show the  
price of an **item** . **Retailers** , using **radio frequency** or wired  
technology, can change prices quickly at the store or corporate level.  
Edwards Super...

7/3,K/43 (Item 43 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

02657616 Supplier Number: 43540688 (USE FORMAT 7 FOR FULLTEXT)  
**CHECKPOINT SYSTEMS, INC. AND MERISEL FORM SOURCE TAGGING PARTNERSHIP**  
PR Newswire, pl  
Dec 22, 1992  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 525

... to implement Impulse (SM) source tagging,  
a program which incorporates Checkpoint's paper-thing disposable  
**radio frequency ( RF )** security targets into computer **products**  
before  
the products reach the **retail** level. Merisel is the first computer  
products distributor to participate in the program. Franklin Computer  
...

7/3,K/44 (Item 44 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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02348462 Supplier Number: 43080570 (USE FORMAT 7 FOR FULLTEXT)  
**SYMBOL INTRODUCES ONE OF THE MOST LIGHTWEIGHT PORTABLE PRINTERS FOR RETAIL**  
**USE**  
News Release, pl  
June 16, 1992  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 422

... is compatible with the Symbol Technologies line of  
portable data terminals and Spectrum One (R) **RF ( radio frequency**  
)  
data communications **products** for use in **retail** applications that  
require portable scanning, printing and labeling capabilities.  
  
The new product is being unveiled...

7/3,K/45 (Item 45 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

01925316 Supplier Number: 42454865 (USE FORMAT 7 FOR FULLTEXT)  
**Area's top performers playing in niches: Environmental, health care firms**  
**expand rapidly**  
Crain's New York Business, pl9  
Oct 21, 1991  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; Trade  
Word Count: 1430

... L.I., company designs, manufacturers and sells bar code reading  
equipment, hand held computers and **radio frequency** data communications  
**products** to the **retailing**, manufacturing, distribution and  
transportation industries.  
Symbol is now marketing products based on the newest technological...

7/3,K/46 (Item 46 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

01850019 Supplier Number: 42342992 (USE FORMAT 7 FOR FULLTEXT)  
**SYMBOL TECHNOLOGIES ANNOUNCES STRATEGIC ALLIANCE WITH POST SOFTWARE  
INTERNATIONAL**  
News Release, p1  
Sept 5, 1991  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 471

... for use with the  
extensive line of symbol laser scanners and portable data terminals,  
including **products** with integrated **radio frequency** ( RF  
) capabilities.

The open architecture **retail** system includes point-of-sale (POS),  
price file verification, shelf price audit, inventory management,  
ordering...

**7/3,K/47 (Item 47 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

01474278 Supplier Number: 41783005 (USE FORMAT 7 FOR FULLTEXT)  
**Installing advanced scanning system in stores**  
National Home Center News, v0, n0, p1  
Jan 7, 1991  
Language: English Record Type: Fulltext Abstract  
Document Type: Magazine/Journal; Trade  
Word Count: 402

... which Willis described as wireless, calculator-sized "portable CRTs  
(cathode ray tubes)," communicate via FM **radio frequency** waves to the  
store's **inventory** computer. This allows a **retail** floor sales person to  
tell customers how many of an item is available or when...

**7/3,K/48 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

13947216 SUPPLIER NUMBER: 79380771 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The battle over RFID standards.**  
Cooke, James A.  
Logistics Management & Distribution Report, 40, 10, 59  
Oct, 2001  
ISSN: 1098-7355 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2230 LINE COUNT: 00181

... Alternative  
While industrial America continues to debate the viability of  
MH10.8.4 as a **radio - frequency item** management standard, the **retail**  
industry has announced plans to develop its own criterion. The Uniform Code  
Council (UCC) in...

**7/3,K/49 (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

13906154 SUPPLIER NUMBER: 79056471 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Psion and Omron join forces.**  
Electronics Weekly, 2

Sept 19, 2001

ISSN: 0013-5224      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 60      LINE COUNT: 00008

TEXT:

...and industrial automation and components firm Omron have teamed up to deliver end-to-end **RFID** ( **radio frequency** identification) **products** for the **retail** sector. Omron will initially deliver complete RFID systems, including its V720-series electromagnetic inductive system...

7/3,K/50      (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11334725      SUPPLIER NUMBER: 55665428

**RFID shows growing value in retail loss prevention, inventory tracking.** (radio frequency identification)

Koloszyc, Ginger  
Stores, 81, 8, 94(3)  
August, 1999

ISSN: 0039-1867      LANGUAGE: English      RECORD TYPE: Abstract

**RFID shows growing value in retail loss prevention, inventory tracking.** (radio frequency identification)

...ABSTRACT: surveillance systems has drawn the interest of retailers, as they seek alternative approaches to enhancing **inventory** tracking. Unlike conventional bar codes, **RFID** benefits **retailers** with a more facilitated means of handling information transfer. The technology may also be efficiently...

7/3,K/51      (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

10194435      SUPPLIER NUMBER: 20580926      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Manhattan Associates - The First to Guarantee Compliance with the Top 100 Retailers' Guidelines**

PR Newswire, p511ATM029  
May 11, 1998

LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 537      LINE COUNT: 00054

... to new and ongoing compliance requirements such as:  
-- Internet-based routing guides  
-- Evolving label formats  
-- **RFID product** -marking technology  
-- **Retail** store specific carton/pallet packing requirements  
Manhattan Associates provides information technology solutions designed to enable...

7/3,K/52      (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

10036562      SUPPLIER NUMBER: 20332421      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The Long Island Fast 50 technology. (companies)**

LI Business News, n51, p27(7)  
Dec 22, 1997

ISSN: 0894-4806      LANGUAGE: English      RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2442      LINE COUNT: 00229

... engaged in the design, manufacture, and marketing of bar code reading equipment, handheld computers and **radio frequency** data communications systems. Its **products** are used in **retail**, transportation and logistics, parcel delivery and postal service, warehousing and distribution, factory automation and health...

7/3,K/53 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09888773 SUPPLIER NUMBER: 20019484 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**DVD, USB, Flat-panel displays in Comdex/Fall '97 spotlight. (digital video disks, universal serial bus) (Industry Trend or Event)**  
Computer Retail Week, v6, n191, p1(2)  
Nov 17, 1997  
ISSN: 1066-7598 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1161 LINE COUNT: 00089

... new product to give RF Link its first access to other computer and consumer electronics **retailers**.

The **product** uses the 2.4GHz **radio frequency** and RF Link's WaveCom senders to transmit signals from the computer to a receiver...

7/3,K/54 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09877143 SUPPLIER NUMBER: 20002933 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Synopsis Of Checkpoint Systems, Inc. Presentation At Southeast Research Partners Sixth Annual Institutional Conference**  
PR Newswire, p1120FLTH099  
Nov 20, 1997  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 562 LINE COUNT: 00059

... gives Checkpoint a leadership position as a supplier of CCTV and video surveillance systems for **retailers** in Canada.

Checkpoint's **product** line includes **radio frequency (RF)** based EAS (electronic article surveillance) systems, electronic access control systems, point-off-sale (POS) monitoring...

7/3,K/55 (Item 8 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09019986 SUPPLIER NUMBER: 18749999 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Wireless networks spread their wings. (includes a directory of infrared network systems vendors) (Netweek) (Buyers Guide)**  
Sullivan, Kristina B.  
PC Week, v13, n40, pN12(2)  
Oct 7, 1996  
DOCUMENT TYPE: Buyers Guide ISSN: 0740-1604 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1353 LINE COUNT: 00109

... IR, albeit in vertical markets.

Symbol Technologies Inc., for example, is successfully targeting its Spectrum **RF products** at the **stock** exchange, **retailing** and transportation industries. "The business applications that we target can't be implemented without a...

7/3,K/56 (Item 9 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

08409993 SUPPLIER NUMBER: 17904930 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Specialty softgoods: technology remains key. (Inventory Management: The Focus Increases) (Coopers & Lybrand report)**  
Chain Store Age Executive with Shopping Center Age, v71, n12, pIM6(2)  
Dec, 1995  
ISSN: 0193-1199 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 523 LINE COUNT: 00047

... majority--56%--do not utilize RF hardware and have no immediate plans for change. Those **retailers** whose **inventory** management strategy does involve **RF** technology employ it primarily for electronic article surveillance (29%); usage rates for price checks, price...

7/3,K/57 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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08339090 SUPPLIER NUMBER: 17746980 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**RF link to mainframe ups warehouse productivity. (radio frequency)**  
Transportation & Distribution, v36, n11, p78(1)  
Nov, 1995  
ISSN: 0895-8548 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1515 LINE COUNT: 00126

...ABSTRACT: and Final grocery chain to raise space utilization by 10%, while improving management control. The **radio frequency inventory** system also allowed the **retailer** to increase operator productivity by 25%. Smart and Final's decision to install the system...

7/3,K/58 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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07760554 SUPPLIER NUMBER: 16678499 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The latest in shrinking shrinkage. (electronic article surveillance tags in retail stores)**  
Bergman, Joan  
HFN The Weekly Newspaper for the Home Furnishing Network, v69, n11, p8(2)  
March 13, 1995  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2065 LINE COUNT: 00160

... most prevalent one.

The two EAS technologies o choice, used by the majority o hard **goods** /home furnishings **retailers** are **radio frequency** and acousto-magnetic. The battle for domination in the business of Electronic Article Surveillance has...

7/3,K/59 (Item 12 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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07594826 SUPPLIER NUMBER: 15988996 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**AS MOMENTUM GROWS FOR SOURCE TAGGING IN CHAIN DRUG INDUSTRY, CHECKPOINT EMERGES AS FAVORITE AMONG MANY DRUG CHAINS, CONSUMER PRODUCT MANUFACTURERS; Walgreens, Nation's Largest Drug Chain, Is Latest To Select Checkpoint Technology And Source Tagging Program.**  
Business Wire, p12151287



Dec 15, 1994  
LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT:    586      LINE COUNT:    00051

... already are delivering source-tagged merchandise to Checkpoint customers in the chain drug and other **retail** industries. "Thousands of consumer **products** with Checkpoint's **RF** labels have already been source-tagged by manufacturers and shipped to retailers," Mr. Dowd said...

7/3,K/60      (Item 13 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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06753236      SUPPLIER NUMBER: 14641965      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**RIAA FINDS ACOUSTO-MAGNETIC TECHNOLOGY UNACCEPTABLE; CHECKPOINT IS READY TO IMPLEMENT SOURCE TAGGING**  
PR Newswire, pl111PH024  
Nov 11, 1993  
LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT:    422      LINE COUNT:    00038

... activated and deactivated without contact. Checkpoint's Impluse(SM) source tagging program, which embeds EAM **RF** tags in **products** or packaging, enhances **retail** security and sales. Viewpoint, a point-of-sale monitoring system, helps control internal theft losses...

7/3,K/61      (Item 14 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06366864      SUPPLIER NUMBER: 13102143      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**CHECKPOINT SYSTEMS, INC. DEBUTS REVOLUTIONARY WIDE AISLE SYSTEM AT NATIONAL RETAIL FEDERATION CONVENTION**  
PR Newswire, 0118PH002  
Jan 18, 1993  
LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT:    432      LINE COUNT:    00038

... than 65,000 retail installations worldwide. Checkpoint's source tagging program, Impulse(SM), embeds its **RF** targets into **products** or **product** packaging before they reach the **retail** level.

/delval/

-0- 1/18/93

/CONTACT: Glenda Laudisio, 609-384-2411, or Steve Brown...

7/3,K/62      (Item 15 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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05428856      SUPPLIER NUMBER: 11198447      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SYMBOL TECHNOLOGIES FORMS STRATEGIC ALLIANCE WITH POST SOFTWARE INTERNATIONAL**  
PR Newswire, 0905P0577  
Sept 5, 1991  
LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT:    444      LINE COUNT:    00037

... for use with the extensive line of Symbol laser scanners and portable data terminals, including **products** with integrated **radio frequency** ( **RF** ) capabilities.

The open architecture **retail** system includes point-of-sale (POS), price file verification, shelf price audit, inventory management, ordering

...  
7/3,K/63 (Item 1 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01923845

**To catch a thief--Checkpoint has a way**  
Philadelphia Business Journal (PA) May 8, 1988 p. 1,13  
ISSN: 0744-3587

...for retailers and libraries. The security equipment uses radio waves to monitor the exits of **retail** stores. Tags attached to the **merchandise** emit a **radio frequency** that trips an alarm when a shoplifter tries to exit the store. The sales and...

7/3,K/64 (Item 2 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01724690

**Rosewood Financial offers \$22 a share to acquire Phillips-Van Heusen Corp.**  
WALL STREET JOURNAL 3 STAR, EASTERN (PRINCETON, NJ) EDITION July 13, 1987  
p. 51

... Frank--4 clothes retailers--to TJFC, a new firm controlled by the management of those **retailers**. **RF** has held **stock** in P-VH for 2 years, and it boosted its stake in the company to...

7/3,K/65 (Item 3 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01661211

**Knogo - Product Specifications.**  
ANNUAL REPORT 1986 p. 01

Among soft **goods retailers Radio Frequency ( RF )** technology has proven to be the technology of choice for the majority of industry participants...

... market, as merchants recognize through shrinkage analysis that our specific systems outperform other less effective **RF** technologies. And, if a soft **goods retailer** desires a **Radio Frequency** - based EAS system which can protect a wide opening with high integrity, Knogo Corporation is ...

7/3,K/66 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

02544993 SUPPLIER NUMBER: 79005718 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**RADIO FREQUENCY ID TECHNOLOGY CREATES NEW SUPPLY CHAIN BI.**  
BUTLER, DAVID  
Intelligent Enterprise, 4, 15, 12  
Oct 4, 2001  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 309 LINE COUNT: 00029

... a central database for back-office analysis. In-store customers use the touch screen and **RF** reader to obtain additional **product**

- information. Then, **retailers** can use this customer interaction to suggest
- higher-end products and accessories to help increase...

7/3,K/67 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01213423 SUPPLIER NUMBER: 04733475 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Corporations wake up to data-security needs.**

Janus, Susan

PC Week, v4, n13, p113(2)

March 31, 1987

ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1782 LINE COUNT: 00145

... floppy and tape media containing confidential data. A direct offshoot of the technology used in **retail** stores to prevent shoplifting, the **products** use **radio - frequency** circuits implanted on floppy disks, tape cartridges or reel tape. Antennas installed covertly or overtly...

7/3,K/68 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

04581793 Supplier Number: 59636308 (USE FORMAT 7 FOR FULLTEXT)

**NOTEBOOK.(News Briefs)**

Consumer Electronics, v40, n9, pNA

Feb 28, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 2947

... prices that drove retails below \$500. Philips remains ShareWave investor. Matsushita also had developed Microcast **RF product** that has yet to reach **retail** despite being shown as prototype 4 years ago. As home networking products failed to hit...

7/3,K/69 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

02802206 Supplier Number: 45684649 (USE FORMAT 7 FOR FULLTEXT)

**MONARCH MARKING SYSTEMS REAL TIME BAR CODE PRINTING DEVICE.**

EDI News, v9, n15, pN/A

July 24, 1995

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 97

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...RF) data communications capabilities in a hand-held computing device. Functions of the PATHFINDER ULTRA **RF** printer are **retail** pricemarking, manufacturing **product** identification, receiving and shelf-bin labeling, work-in-process and capital asset tracking applications. The...

13/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

08661420 Supplier Number: 75020240 (USE FORMAT 7 FOR FULLTEXT)  
**Midway Services--A New Look for Submetering Companies.**  
Units, v25, n3, p72  
April, 2001  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 534

... apartment communities. As a result, Midway Services engineered and wrote the specifications for its own **radio frequency** submetering **product** (the **Interrogator** System). The **Interrogator** is a 900 MHz system that does not require additional FCC licensing annually. This technology...

13/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

08266042 Supplier Number: 69739211 (USE FORMAT 7 FOR FULLTEXT)  
**Intermec, Philips Semiconductors and Gemplus Tag Submit Joint Proposal to ISO For the Use of RFID in Item Management Applications.**  
Business Wire, p0011  
Jan 31, 2001  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 841

... expanding the joint standardization efforts to cover all market segments using RFID tags and labels.  
**RFID** technology allows companies to track **items** without the line of sight requirements of automatic data collection. RFID systems typically use computer chips packaged with tiny antennas, known as tags, and readers known as **interrogators** to provide information at many times the speed of traditional bar code technology.  
The joint...

13/3,K/3 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06926060 Supplier Number: 58520947 (USE FORMAT 7 FOR FULLTEXT)  
**SAMSys Technologies Inc. Receives Certification for its Multi-Protocol, Multi-Frequency RFID Reader.**  
PR Newswire, p8739  
Jan 11, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 614

... Identification (RFID) reader product, has been successfully completed.  
The Company's proprietary and industry leading **RFID** reader **product** known as the **Interrogator** Control Module ("ICM"), has completed verification testing as a Class A Digital Device and is...

13/3,K/4 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06916319 Supplier Number: 58475503 (USE FORMAT 7 FOR FULLTEXT)  
**SAMSys Technologies Inc. Files Patent for Multi-Protocol, Multi-Frequency  
RFID Reader.**  
PR Newswire, p6606  
Jan 7, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 779

... its proprietary Intellectual Property. This latest patent  
application titled "RFID Tag Interrogator" refers to the **Radio Frequency**  
Identification ( **RFID** ) technology and **product** which the Company has  
developed in-house, and which represents a significant milestone in the...

**13/3,K/5 (Item 5 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06692660 Supplier Number: 55989994 (USE FORMAT 7 FOR FULLTEXT)  
**United We Stand.**  
HICKEY, KATHLEEN  
Traffic World, v259, n13, p40  
Sept 27, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 708

... together with SAP Labs Tokyo, developed a radio frequency  
identification touch screen/self-checkout counter. " **Products** with  
Intermec Intellitag- **RFID** tags and labels will be placed in a handheld  
container. As the items move through a point-of-sale system, the **RFID**  
**interrogator** will read the tags and labels, display product information  
and prices on a point-of...

**13/3,K/6 (Item 6 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06639845 Supplier Number: 55765603 (USE FORMAT 7 FOR FULLTEXT)  
**Beyond Bar Codes: RFID Labels Listen and Talk.**  
HILL, CINDY  
Textile World, v149, n8, p68  
August, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1532

... Today, Intermec is the only company that offers the complete range  
of label media, printer, **RFID** and scanner/ **interrogator products**  
manufactured by a single source. Intermec, a subsidiary of UNOVA, Inc.,  
(NYSE:UNA) is a...

**13/3,K/7 (Item 7 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06164809 Supplier Number: 53989236 (USE FORMAT 7 FOR FULLTEXT)  
**Micron Communications, Inc., Announces New DuraTracker RFID Tag for Fleet  
Management and Container Tracking.**  
Business Wire, p0179  
March 2, 1999

- Language: English Record Type: Fulltext
  - Document Type: Newswire; Trade
- Word Count: 360

... of data access and control.

"It's extremely rewarding for us to deliver a new **product** like the DuraTracker **RFID** tag to the marketplace," says Rick Davis, Marketing Director for Micron Communications. "New **products** like the DuraTracker **RFID** tag and the 4100-20 **Interrogator** introduced last year add great value to the RFID solutions we're providing our customers..."

**13/3,K/8 (Item 8 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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05196339 Supplier Number: 47929047 (USE FORMAT 7 FOR FULLTEXT)

**RAYTHEON LANDS \$111 MILLION CONTRACT FOR RADIO FREQUENCY IDENTIFICATION TAGS**

Federal Computer Market Report, p003

August 25, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 436

**RFID** -based systems, the primary **product** of Mountain View, Calif.-based Savi Technology, use Radio tags, which combine two-way radio ...

...a cellular phone. The systems are used to identify the contents of containers and stored **goods** . Specialized **radio frequency** -capable handheld computers, known as **interrogators** , are used to "read" the content of the radio tags. The two technologies are linked...

**13/3,K/9 (Item 9 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

05176150 Supplier Number: 47899440 (USE FORMAT 7 FOR FULLTEXT)

**Raytheon Wins \$111 Million Contract For Radio Frequency Identification Tags.**

Business Wire, p8111444

August 11, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 569

Assuming all contract options are exercised, the total contract life will be five years.

**RFID** -based systems, the primary **product** of Mountain View, California-based Savi Technology, use two innovative technologies: Radio tags, which combine...

...size of a cellular phone, are used to identify the contents of containers and stored **goods** . Specialized **radio frequency** -capable hand-held computers, known as **interrogators** , are used to "read" the contents of the radio tags. These two technologies are linked...

**13/3,K/10 (Item 10 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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04264320 Supplier Number: 46246857 (USE FORMAT 7 FOR FULLTEXT)



Designers tap spread spectrum, gallium arsenide to lead the charge -- IC makers answer the call of the wireless

Electronic Engineering Times, p43  
March 25, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 4059

... and sales personnel fleets. The company has teamed with Unisys Corp., which will design an **interrogator** and will market **RFID products** and related services.

Tuttle claimed that the product is a lower-cost, smaller system version...

**13/3,K/11 (Item 11 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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02836411 Supplier Number: 43815630 (USE FORMAT 7 FOR FULLTEXT)  
**RF-ID plan, system offered**  
Electronic Engineering Times, p18  
May 3, 1993  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 792

... a 2.4-GHz part requires its own local power source, it may limit the **RF-ID product**'s use in applications such as internally implanted animal tags.

New card  
Racom Systems - a...

**13/3,K/12 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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08580684 SUPPLIER NUMBER: 18139597 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**IC makers answer the call of the wireless. (semiconductor manufacturers vie for wireless communications market) (includes related articles on simulation tools and the European Global System for Mobile Communications chip) (Industry Trend or Event)**  
Weber, Sam  
Electronic Engineering Times, n894, p43(7)  
March 25, 1996  
ISSN: 0192-1541 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4369 LINE COUNT: 00342

... and sales personnel fleets. The company has teamed with Unisys Corp., which will design an **interrogator** and will market **RFID products** and related services.

Tuttle claimed that the product is a lower-cost, smaller system version...

**13/3,K/13 (Item 2 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

08184246 SUPPLIER NUMBER: 17551907 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**ULTRALIFE BATTERIES RECEIVES MAJOR ORDER FROM SAVI TECHNOLOGY FOR NEW THIN CELL BATTERIES**  
PR Newswire, p1010NY003  
Oct 10, 1995

LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 689      LINE COUNT: 00069

... limitless -- they're revolutionizing the way military and industrial assets are managed."

The Savi wireless **inventory** management system consists of (1) **radio frequency** (RF) tags, which are placed on crates, containers, rail cars, or other assets, (2) fixed or portable "**interrogator**" transponders that can send information to and retrieve information from the tags, and (3) personal...

**13/3,K/14      (Item 3 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07468777      SUPPLIER NUMBER: 15562224      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**UNISYS CORPORATION AND MICRON COMMUNICATIONS, INC., TEAM TO DELIVER RADIO FREQUENCY IDENTIFICATION PRODUCTS**  
PR Newswire, p0712DC027  
July 12, 1994  
LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 442      LINE COUNT: 00039

... tracking, personnel identification, commodity monitoring and toll collection for highways and rapid transit systems. The **RFID product** will be based on the important and same highly sophisticated communication technology used by the...

...S. Government for secure, noise immune data transmission. The systems will use a Unisys designed **interrogator** to receive and arbitrate data from a CMOS, spread spectrum RFID tag being developed by Micron. The **interrogator** will use spread spectrum technology to transmit commands, receive data and process responses to and...

**13/3,K/15      (Item 1 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

04966745      Supplier Number: 73590710      (USE FORMAT 7 FOR FULLTEXT)  
**Philips Semiconductors joins the Auto-ID Center to advance next generation product code technology based on RFID.**  
M2 Presswire, pNA  
April 24, 2001  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 839

... tracking and the tracking of retail articles, will work alongside other innovators on key projects.

**RFID** technology allows companies to track **items** without the line of sight requirements of automatic data collection. RFID systems typically use computer chips packaged with tiny antennae, known as tags or smart labels, and readers known as **interrogators** to provide information many times faster than traditional bar code technology. Philips' expertise in the...

**13/3,K/16      (Item 2 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03670096      Supplier Number: 47907263      (USE FORMAT 7 FOR FULLTEXT)  
**RAYTHEON: Raytheon wins \$111 million contract for radio frequency**

• **identification tags**

• M2 Presswire, pN/A  
August 13, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 611

... world.

Assuming all contract options are exercised, the total contract life will be five years.

RFID -based systems, the primary **product** of Mountain View, California-based Savi Technology, use two innovative technologies: Radio tags, which combine...

...size of a cellular phone, are used to identify the contents of containers and stored **goods**. Specialized **radio frequency** - capable hand-held computers, known as **interrogators**, are used to "read" the contents of the radio tags. These two technologies are linked...

**13/3,K/17 (Item 3 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02867361 Supplier Number: 45818379 (USE FORMAT 7 FOR FULLTEXT)  
**ULTRALIFE: Ultralife Batteries receives major order from Savi Technology for new Thin Cell batteries**

M2 Presswire, pN/A  
Sept 28, 1995  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 768

... limitless - they're revolutionizing the way military and industrial assets are managed."

"The Savi wireless **inventory** management system consists of (1) **radio frequency** (RF) tags, which are placed on crates, containers, rail cars, or other assets, (2) fixed or portable "**interrogator**" ponders that can send information to and retrieve information from the tags, and (3) personal...

**13/3,K/18 (Item 1 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

05013832 SUPPLIER NUMBER: 19980240 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Chapter report: What does "free" mean anyway? (library services)**

Watkins, Christine  
American Libraries, v28, n7, p10(1)  
August, 1997  
ISSN: 0002-9769 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1202 LINE COUNT: 00098

... for high-end research services most often used by businesses or others willing to trade **money** for time. **These** services often go beyond access charges to include the services of a researcher and **fast** or faxed delivery. The main issue here is whether libraries are in some way competing unfairly with private research services that don't receive public **support**.

Somewhere in between copy machines and custom research lies a shopping list of library services...

.File 2:INSPEC 1969-2003/Jan W2  
     (c) 2003 Institution of Electrical Engineers  
 File 35:Dissertation Abs Online 1861-2003/Dec  
     (c) 2003 ProQuest Info&Learning  
 File 65:Inside Conferences 1993-2003/Jan W3  
     (c) 2003 BLDSC all rts. reserv.  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Dec  
     (c) 2003 The HW Wilson Co.  
 File 233:Internet & Personal Comp. Abs. 1981-2003/Jan  
     (c) 2003 Info. Today Inc.  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
     (c) 2002 The Gale Group  
 File 474:New York Times Abs 1969-2003/Jan 20  
     (c) 2003 The New York Times  
 File 475:Wall Street Journal Abs 1973-2003/Jan 17  
     (c) 2003 The New York Times

?ds

Set	Items	Description
S1	972	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO()FREQUENC? OR RF OR RFID)
S2	256061	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E()(SHOP? ? - OR STORE? ? OR SHOPPE?)OR BRICK()MORTAR? OR BAM
S3	2	READER()INTERROGATOR?
S4	18	S1 AND S2
S5	18	RD (unique items)
S6	0	S1 AND S3
S7	1	S1 AND INTERROGATOR?
S8	1	S7 NOT S5
S9	2	RD S3 (unique items)
S10	2	S9 NOT (S5 OR S8)

5/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7191923

**Title: Coming attractions [ retail RFID]**

Journal: Chain Store Age vol.78, no.1 p.11A

Publisher: Lebhar-Friedman,

Publication Date: Jan. 2002 Country of Publication: USA

CODEN: CSAGAW ISSN: 1087-0601

SICI: 1087-0601(200201)78:1L.11a:CARR;1-J

Material Identity Number: D448-2002-001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: RFID has the potential to bring the **retail** industry efficiencies and insight that have only been dreamed of in the past. The **retail** industry is ripe to move to the next level in technology and efficiency. **RFID** applications include self-checkout, perpetual **inventory** tracking, active merchandising, electronic receipting, and service and warranty tracking. They can deliver any number of user-friendly applications for item-level tracking in the **retail** supply chain.

Subfile: D

Descriptors: mark scanning equipment; **retailing** ; stock control

Identifiers: RFID; **retail** industry; radio frequency identification

Class Codes: D2140 (Marketing, retailing and distribution applications of IT)

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5/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6932678

**Title: Marks & Spencer pilots RFID for fresh food supply**

Journal: Retail Automation vol.21, no.2 p.25

Publisher: RMDP Ltd,

Publication Date: March-April 2001 Country of Publication: UK

CODEN: REAUFA ISSN: 0263-1377

SICI: 0263-1377(200103/04)21:2L.25:MSPR;1-X

Material Identity Number: B444-2001-002

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Marks & Spencer is exploring the use of RFID (radio frequency identification) to help streamline its fresh food supply chain. The pilot project, being carried out by Manchester-based systems integrator Intelligent, will use **RFID** and smart labels to track **products** as they go through the various links in the supply chain. The pilot will involve automatically writing to smart labels using Intelligent-designed software called Delta, a new form of the firm's Etiquette software that is already used in barcode applications. (0 Refs)

Subfile: D

Descriptors: **retailing** ; stock control

Identifiers: Marks & Spencer; RFID; fresh food; supply chain; Intelligent; smart labels; Etiquette; Delta

Class Codes: D2140 (Marketing, retailing and distribution applications of IT)

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5/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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5762141

**Title: OP opts for RF/ID**

Author(s): Beale, S.  
Journal: ID Systems European Edition vol.5, no.9 p.24-5, 27  
Publisher: Helmers Publishing,  
Publication Date: Nov. 1997 Country of Publication: USA  
CODEN: ISEEEE ISSN: 1081-275X  
SICI: 1081-275X(199711)5:9L.24:O;1-#  
Material Identity Number: B070-97009  
Language: English Document Type: Journal Paper (JP)  
Treatment: Practical (P)  
Abstract: Czech clothing manufacturer OP Prostějov uses **RF** /ID to track **goods** throughout distribution and at point of sale. (0 Refs)  
Subfile: D  
Descriptors: goods distribution; **retailing** ; textile industry  
Identifiers: clothing manufacturer; OP Prostějov; RF/ID; tracking; distribution; point of sale  
Class Codes: D2070 (Industrial and manufacturing); D2140 (Marketing, retailing and distribution)  
Copyright 1997, IEE

**5/5/4 (Item 4 from file: 2)**

DIALOG(R)File 2:INSPEC

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5725865

**Title: Hannaford's radio - frequency tracking manages product , work flow and costs**

Author(s): Greenleaf, G.  
Author Affiliation: Hannaford Bros. Co., Scarborough, ME, USA  
Journal: Chain Store Age vol.73, no.9 p.130, 132  
Publisher: Lebhar-Friedman,  
Publication Date: Sept. 1997 Country of Publication: USA  
CODEN: CSAGAW ISSN: 0193-1199  
SICI: 0193-1199(199709)73:9L.130:HRFT;1-M  
Material Identity Number: D448-97010  
Language: English Document Type: Journal Paper (JP)  
Treatment: Practical (P)  
Abstract: Redefining distribution is the key to greater speed and efficiency at the warehouse and subsequently, to better labor management, says Scarborough, Maine-based Hannaford Bros. Co. Inventory accuracy balanced with workload management will result in a well-managed work flow. Then you have a distribution center system that reports back to you to see how well you are doing it all. Driven in part by planning, forecasting and new remote technologies such as radio-frequency tracking, the nerve-center of the Hannaford distribution network has optimized warehouse operations and the productivity of its work force. (0 Refs)  
Subfile: D  
Descriptors: goods distribution; **retailing** ; tracking; warehouse automation  
Identifiers: chain store; Hannaford Bros; warehouse operation; distribution center; workload management; distribution network  
Class Codes: D2140 (Marketing, retailing and distribution); D2070 (Industrial and manufacturing)  
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**5/5/5 (Item 1 from file: 99)**

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

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1600062 H.W. WILSON RECORD NUMBER: BAST97069633

**Dollar general cuts costs with information automation**

Modern Materials Handling v. 52 (Oct. '97) p. S8-S9

DOCUMENT TYPE: Feature Article ISSN: 0026-8038 LANGUAGE: English



RECORD STATUS: Corrected or revised record

ABSTRACT: Part of a special section on automatic data collection solutions for manufacturing, warehousing, and distribution. Dollar General, a **retailer** based in Nashville, Tennessee, implemented a real-time data collection and management system to increase warehouse efficiencies and lower costs. The warehouse management system receives **stock** -identifying bar code data via **radio frequency** data communication terminals. It oversees every step of the distribution process, including purchase orders, putaway instructions, and picking instructions.

DESCRIPTORS: Radio transmission--Data transmission systems; Bar coding; Management information systems--Warehouses;

5/5/6 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2003 The HW Wilson Co. All rts. reserv.

1243301 H.W. WILSON RECORD NUMBER: BAST95039036

**Coming soon to a neighborhood near you**

Witt, Clyde E;

Material Handling Engineering v. 50 (June '95) p. 46-50

DOCUMENT TYPE: Feature Article ISSN: 0025-5262 LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: To facilitate its 5-year expansion plan, Dollar General has opened a new, mechanized distribution center. The new center, which is located near Gene Autry, south-central Oklahoma, has the latest in material handling equipment and warehouse management systems. Some of the highlights of the center include a sortation system capable of sorting 200 cases per minute, a warehouse management system for real-time **inventory** tracking, and a number of **radio frequency** terminals for paperless selection and putaway. Dollar General runs 2 other distribution centers, which receive and sort about 50,000 cases of merchandise per shift. The new distribution center has the capability to ship 80,000 cases per shift.

DESCRIPTORS: **Retail** trade; Warehouse automation; Dollar General Corp;

5/5/7 (Item 3 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2003 The HW Wilson Co. All rts. reserv.

1232420 H.W. WILSON RECORD NUMBER: BAST95027999

**Autek Research model RF-1 RF analyst**

Kenamer, Bill;

QST v. 79 (May '95) p. 79-81

DOCUMENT TYPE: Feature Article ISSN: 0033-4812 LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: The Autek Research RF-1 RF Analyst, a fairly new antenna analyzer, is reviewed. Powered by means of a 9 V battery, this analyzer easily fits in a pocket for a trip up an antenna tower; its large LCD display is easily read in bright sunshine; and it performs measurements with an accuracy that is sufficient for Amateur Radio purposes. The analyzer can also be applied to many more tasks in the Amateur Radio shack. At a suggested **retail** price of \$130, the **RF -1** is **good** value for money.

DESCRIPTORS: Radio apparatus; Radio antennas--Tuning;

5/5/8 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 Info. Today Inc. All rts. reserv.

00668633 02NR08-113

**Wireless technology reshapes retailers**

Bednarz, Ann

Network World , August 12, 2002 , v19 n32 p23-24, 2 Page(s)

ISSN: 0887-7661

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that **retailers** are experimenting with wireless radio frequency identification (RFID) technology that experts say will help improve inventory accuracy and fight fraud. Explains that RFID uses radio waves to transfer data between a reader device and an item, such as clothing or shipping container. Mentions that RFID powers myriad applications, from luggage tagging at airports to highway toll collections. Says that **retailers** are looking to use **RFID** to keep tabs on their **inventory**, to find out what products are on store shelves, what is available in the storeroom, and what is en route from the distribution center or from suppliers. Indicates that RFID is a descendent of wireless technology used by the British military during World War II. Includes a diagram. (MEM)

Descriptors: Wireless Communication; **Retailing**; Data Transmission; Data Communication; Inventory; Remote Computing

5/5/9 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 Info. Today Inc. All rts. reserv.

00662523 02BN05-003

**Your inventory wants to talk to you -- In a few years, a new generation of electronic sensors called RFID tags will track your inventory, stock your shelves, pinpoint...**

Roberti, Mark

Business 2.0 , May 1, 2002 , v3 n5 p84-87, 4 Page(s)

ISSN: 1528-9265

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Talks about wireless radio frequency identification (RFID), an emerging technology which relies on memory chips equipped with tiny radio antennas or RFID tags which can be attached to objects to transmit streams of data about them. Says that supply chain specialists see RFID as the backbone of an infrastructure designed to identify and track billions of individual objects all over the world, all in realtime. Reports that **retail** chain Wal-Mart is investing heavily in RFID tags with an eye toward dramatically reducing supply chain management expenses, trimming inventories, cutting theft, and eliminating misdirected shipments. Cites hurdles: radio waves cannot pass through metal or through water at certain frequencies; and they are easily confused in an environment where other machinery and systems emit plenty of radio signals. Includes a diagram, two sidebars, and 10 photos. (MEM)

Descriptors: Wireless Communication; Remote Computing; Inventory; Data Transmission; Data Communication; Electronic Commerce

5/5/10 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00651942 01WK12-102

**Sophisticated supply -- Radio-frequency ID tags offer new efficiency in supply-chain management**

Konicki, Steve

Information Week , December 10, 2001 , n867 p22-24, 3 Page(s)

ISSN: 8750-6874

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that a new class of radio-frequency ID (RFID) systems is being brought to bear in logistics and supply chain management. Says that the military is using RFID in conjunction with the satellite-based global positioning system to track virtually every shipment destined for the war in Afghanistan. Explains that RFID smart tags can be affixed to boxes, pallets, and industrial shipping containers to transmit the location and status of **goods** en route. Adds that **RFID** is catching on in the commercial world, with applications ranging from electronic payments to **retail** inventory management. Explains that the appeal is that RFID systems, especially when combined with far-reaching wireless communications, can provide real-time information on supply-chain inventory so businesses are able to plan accordingly and react quickly in emergencies. Includes a photo. (EPE)

Descriptors: Logistics; Military; Purchasing; Wireless Communication; Satellite Communication; Global Positioning System; Inventory

**5/5/11 (Item 4 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 Info. Today Inc. All rts. reserv.

00636993 01MV07-011

**Tracking with wireless tags -- Businesses are catching on to RFID 's inventory management benefits**

McGarvey, Robert

M-Business , July 1, 2001 , v1 n8 p60-61, 2 Page(s)

ISSN: 1532-3137

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that radiofrequency identification (RFID) tags are finally finding a niche in tracking inventory throughout product supply chains, from manufacturing to **retail** sales. Says that the tiny wireless transponders appear primed for takeoff as organizations from the United States Department of Defense to Volkswagen to United Kingdom grocery chain Sainsbury's all kick off ambitious RFID implementations. Indicates that RFID is a wireless technology that starts with a tiny tag that has built-in memory and a small coil-like antenna. Explains that a user writes identifying information onto the tag and attaches the tag to the object to be tracked. States that RFID's key features are extensive readability and reusability. Includes a chart and three photos. (EPE)

Descriptors: Inventory; Wireless Communication; Logistics; Manufacturing; Management; Broadband Communication

**5/5/12 (Item 5 from file: 233)**

DIALOG(R)File 233:Internet & Personal Comp. Abs.

(c) 2003 Info. Today Inc. All rts. reserv.

00213029 90IN03-102

**Compaq and Businessland resolve dispute Compaq machines will soon be back on Businessland's shelves**

Myers, Kara

InformationWEEK , March 12, 1990 , n261 p15, 1 Pages

ISSN: 8750-6874

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Discusses how Compaq pulled its PCs from Businessland's shelves in February 1989 due to Businessland supposedly giving ``preferential' treatment to IBM. Says that Compaq had represented about 15 percent of

. Businessland's volume. Businessland management recently admitted the error and the problem has been resolved and they will continue to market the Compaq **products** . ( RF )

. Descriptors: Compaq; **Retailing** ; Marketing; Strategy; Corporate Information

Identifiers: Compaq Computer; Businessland

5/5/13 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09530259

HKANA leads year-long Global e-ID awareness campaign

HONGKONG: HKANA TO PROMOTE GLOBAL E-ID AWARENESS

Retail Asia (ABD) Apr 2001 p.36

Language: ENGLISH

The Hong Kong Article Numbering Association (HKANA) has launched a year-long Global e-ID (global Electronic Identification Numbers) campaign to reinforce awareness as well as promote the use of Global e-ID among small and medium-sized enterprises (SMEs) in the territory. According to the HKANA, Global e-IDs are used by only 1% of Hongkong companies and these are mainly in the Fast Moving Consumer Goods (FMCG) sector for **retail** POS scanning. A survey conducted by the Hong Kong Polytechnic University showed that of the 1,515 respondents, only 26% of the companies have heard of Global e-ID or barcode technology. The awareness campaign, funded by the Innovation and Technology Fund, will feature a series of exhibitions, industry seminars and workshops, website, videos and publications on Global e-ID usage. Based on EAN-UCC standard, global e-ID is an internationally recognised numbering and barcoding system to identify products, services, shipments and locations. Trading partners from all sectors can capture product data accurately using Automatic Data Capture technologies such as the scanning of bar codes and **radio frequency** tags, thus speeding up **product** handling and information processing alongside the supply chain.

COMPANY: HONG KONG ARTICLE NUMBERING ASSOCIATION; HKANA

PRODUCT: Intruder Prevention Systems (3662IP);

EVENT: Public Affairs (29);

COUNTRY: Hong Kong (9HON);

5/5/14 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09342520

Franklins hit by \$35m loss

AUSTRALIA: FRANKLINS OUTLINED LOCAL PLANS

Australian Financial Review (AFR) 04 Aug 2000 p.49

Language: ENGLISH

Australia's supermarket chain Franklins has outlined several plans which is aimed at improving its local market share during the second half of year 2000. These plans are as below: - to implement a **radio frequency** technology for . better **stock** control; - to integrate new forecasting replenishment . systems to upgrade inventory control for . distribution units; - to set up a Sydney-based 'flow-through' . warehouse for lifting product range to 3,000 . items in every store; - to transform 4 No Frills stores into Franklin . Fresh stores; and - to set up 4 new supermarkets. During the first half of 2000, Franklins has already set up 4 Franklin Fresh stores and shut down 5 No Frills stores. It will commit around AU\$ 100 mn to carry out the listed plans. According to the chain, these investments will serve as a hedge against the upcoming entry by German

. rival Aldi. Franklins is owned by Dairy Farm International of Hong Kong.

COMPANY: ALDI; DAIRY FARM INTL; FRANKLINS  
PRODUCT: Production Management (9913); Food **Retailing** (5400);  
Warehousing Construction (1541WC); Warehousing (4220);  
EVENT: General Management Services (26); Plant/Facilities/Equipment (44  
); Planning & Information (22); Capital Expenditure (43);  
COUNTRY: Australia (9AUS);

5/5/15 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06629571

CHECKING UP ON SCANNING

UK: SAINSBURY TESTS GOODS TRACKING SYSTEM  
In-Store Marketing (ALO) May 1998 p. 43-48  
Language: ENGLISH

Sainsbury is testing US-based SCS Corporation's Interactive Identification (i2) system to scan goods in the chilled foods supply chain using radio frequency (RF) labels. which every week deals with approximately 225,000 crates of prepared meals. The UK supermarket chain believes that this technology will radically ease supply chain costs, together with offering its customers fresher and better quality items. The system works by fixing Dura-Label tags to the side of cartons, which are read in about half a minute by a reader at any moment in the supply chain. SCS notes that its system allows data on the vendor code, destination and expiry date of the product can be included, allowing the user to know the content of the supply chain whenever they desire. It is believed that the adoption of **RF** technology will allow **items** to travel through the supply chain more quickly.

COMPANY: SCS CORPORATION; SAINSBURY  
PRODUCT: Food **Retailing** (5400);  
EVENT: General Management Services (26); Product Design & Development (33);  
COUNTRY: United Kingdom (4UK);

5/5/16 (Item 4 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06628149

Focus in showdown with suppliers over tagging  
UK: FOCUS TO END SUPPLY TERMS WITH NON TAGGERS  
DIY Week (ZCF) 15/22 May 1998 p.2  
Language: ENGLISH

The DIY-multiple Focus <UK> has announced that it will no longer use suppliers failing to attach **products** with **radio frequency** security tags. The other big DIY multiples including B&Q, Homebase, Wickes, Do It All and Great Mills are working with Focus to get a common source tagging technology introduced to the industry. If suppliers are unprepared to adopt the technology then Focus and others are prepared to get goods from elsewhere and then sell them as an own-label. It is not an expensive process and can cost as little as GBt 0.02 for a supplier to adopt, but if the process is not adopted then the cost to **retailers** to fit till equipment could become thousands. Black & Decker is one company which is so far responding to the demands of the **retailer** and is fitting tags onto tools.

COMPANY: B&Q; HOMEBASE; WICKES; DO IT ALL; GREAT MILLS; BLACK & DECKER;



FOCUS

PRODUCT: Building Materials, **Retail** (5201); Hardware Stores (5251);  
Fabricated Metal NEC (3499); Communications Eqp ex Tel (3662);  
EVENT: Production Management (23); Use of Materials & Supplies (46);  
Planning & Information (22); Capital Expenditure (43);  
COUNTRY: United Kingdom (4UK);

5/5/17 (Item 5 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06605842

JS gives green light to electronic tagging  
UK: SAINSBURY TO USE ANTI-THEFT TAGS IN STORE  
Supermarketing (SMG) 20 Mar 1998 p.8  
Language: ENGLISH

Sainsbury supermarkets will soon be using electronic article surveillance in store after a successful trial. The system from Checkpoint uses a paper thin **radio frequency** label put into the **product** or packaging at time of manufacture. Sainsbury is keen to use the system as a deterrent to theft. Packaging companies must however be persuaded to adopt the system. Asda has been trialling it on its clothes ranges and would also like to use it further. EAS could be developed for use on grocery products by 1999.

COMPANY: CHECKPOINT; SAINSBURY

PRODUCT: Food **Retailing** (5400); Retail Trade (5200);  
EVENT: Sales & Consumption (65); Planning & Information (22);  
COUNTRY: United Kingdom (4UK);

5/5/18 (Item 6 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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04058129

SALES OF WIRELESS LANs EXPECTED TO GROW  
US - SALES OF WIRELESS LANs EXPECTED TO GROW  
Computing (CNG) 24 January 1991 p26-27

Sales of wireless local area networks (LANs) in the US will reach an estimated 45,000 units in 1995, up from 2,900 units in 1991, according to Forrester Research, a market analyst. Until recently, wireless LAN **products**, in which **radio frequency** is substituted for cable, have been very much a niche market. However, wireless LANs now have the support of NCR and Motorola, and are expected to have the greatest appeal in industries where staff and computers are moved around frequently, such as in the **retail** and distribution sectors. Introduced in autumn-1990, NCR's Wavelan product is currently being tested by several companies in the US, including JS Penney, a **retail** chain. The US commercial launch of Motorola's Win (wireless in-building network), currently undergoing pilot trials, is expected in February 1991. However, several factors could delay the expansion of radio connectivity. These include the standards issue, the equipment requirements of European telecommunications authorities, and frequency allocation considerations. Article includes details of the Radio Link wireless LAN product jointly developed by California Microwave (US), a radio transmission company, and IT Security (UK), a radio security company, and of the Arlan product from Telesystems SLW (Canada).\*\*

PRODUCT: Local Area Network Equip (3661LA); Local Area Networks (4811LA);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);



8/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6719662 INSPEC Abstract Number: C2000-11-3320-008

**Title: RF-equipped smart labels automate material handling**

Author(s): Forcinio, H.

Journal: Managing Automation vol.15, no.8 p.70, 72

Publisher: Thomas Publishing,

Publication Date: Aug. 2000 Country of Publication: USA

CODEN: MAAUES ISSN: 0895-3805

SICI: 0895-3805(200008)15:8L.70:ESLA;1-6

Material Identity Number: L649-2000-007

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: With demands for real-time information rising to a crescendo, material handling increasingly depends on radio frequency (RF) technology for data collection, identification, and communication. At the heart of RF-based material handling are RF tags and RF-tag equipped smart labels, which embed an RF component in bar-code-printed, pressure sensitive label **stock**. RF tags allow parts, **products**, and other assets to carry more data on-board than a printed bar code, providing more automation to functions like receiving and shipping. Smart labels store and transmit data via a paper thin, application-specific integrated RF circuit and an antenna placed between the label face sheet and liner. The passive circuit requires no battery because it is energized by radio waves from an external scanner or **interrogator** to receive, store, or transmit data. (0 Refs)

Subfile: C

Descriptors: data acquisition; materials handling; radio data systems

Identifiers: automate material handling; RF data collection; RF-tag; smart labels; integrated RF circuit

Class Codes: C3320 (Control applications to materials handling); C3210G (Data acquisition systems for control); C5690 (Other data communication equipment and techniques)

Copyright 2000, IEE

10/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6013551 INSPEC Abstract Number: B9810-6250-027, C9810-7890-002

**Title: Virtual barcodes use radio waves**

Author(s): Lopez, L.

Journal: JALA Journal of the Association for Laboratory Automation  
vol.3, no.2 p.13-15

Publisher: Assoc. Lab. Autom,

Publication Date: May 1998 Country of Publication: USA

Material Identity Number: H091-98002

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The wrong additive in a specimen vial, for example, could not only give completely invalid results, it could also waste a given sample. While the automation, robotics, and electronics industries have been consistently helping laboratories improve identification and classification problems over the years, there has always been room for improvement. Now, however, a new technology stands poised to take identification solutions to a new level: radio frequency identification (RFID). Radio frequency identification itself is not particularly new. For over forty years, RFID technology has been using passive, read-only tags. The standard basic RFID system-a host computer attached to a **reader / interrogator** which then reads a transponder-is not particularly new. Newer technology, remote intelligent communications (RIC) units are appearing on the scene. RIC is a more powerful and useful subset of RFID. While RIC, like RFID uses radio waves to send information (so that a tag need not be visible to be read, and can even be used in dirty environments), RIC differs in several respects, including self contained batteries, a larger (writeable) memory, and long range capability. (0 Refs)

Subfile: B C

Descriptors: laboratories; radiocommunication; telecommunication  
computing; transponders

Identifiers: virtual barcodes; radio waves; electronics industries;  
laboratory automation; radio frequency identification; RFID technology;  
basic RFID system; host computer; **reader / interrogator** ; transponder;  
remote intelligent communications; self contained batteries; writeable  
memory; long range capability

Class Codes: B6250 (Radio links and equipment); C7890 (Other special  
applications of computing); C7410F (Communications computing)

Copyright 1998, IEE

10/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5179560 INSPEC Abstract Number: B9603-6250Z-001

**Title: Zero bias detector diodes for the RF/ID market**

Author(s): Buted, R.R.

Journal: Hewlett-Packard Journal vol.46, no.6 p.94-8

Publisher: Hewlett-Packard,

Publication Date: Dec. 1995 Country of Publication: USA

CODEN: HPJOAX ISSN: 0018-1153

SICI: 0018-1153(199512)46:6L.94:ZBDD;1-M

Material Identity Number: H009-96001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Tracking of products and services is critical in today's highly competitive and rapidly growing world of manufacturing and service industries. For this application, the radio frequency identification (RF/ID) system uses radio signals to communicate. Line of sight is not needed and the system can operate in hostile environments characterized by water, oil, paint, and dirt. An RF/ID system is composed of two components:

- a reader (interrogator), which contains both transmitter/receiver and decoder/control modules, and a tag (transponder), which typically contains an antenna and a receiver circuit. Since a system normally has only a few interrogators but many tags, the most severe design constraints are on the tag. These constraints include portability, small size, long life, and low cost. Hewlett-Packard's newest silicon detector diodes (HSMS-285x) were developed to address these constraints. (2 Refs)

Subfile: B

Descriptors: identification; microwave detectors; microwave diodes; radio applications; Schottky diodes; tracking; UHF detectors; UHF diodes

Identifiers: zero bias detector diodes; RF/ID market; Hewlett-Packard; Si detector diodes; receiver service; radio frequency identification tags; portability; small size; long life; low cost; product tracking; Schottky diodes; radio frequency identification system; radio signals; 930 MHz to 10 GHz; Si

Class Codes: B6250Z (Other radio links); B1350F (Solid-state microwave circuits and devices); B2560H (Junction and barrier diodes); B7230 (Sensing devices and transducers); B7310N (Microwave measurement techniques)

Chemical Indexing:

Si int - Si el (Elements - 1)

Numerical Indexing: frequency 9.3E+08 to 1.0E+10 Hz

Copyright 1996, IEE

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File 9:Business & Industry(R) Jul/1994-2003/Jan 17  
 (c) 2003 Resp. DB Svcs.  
 File 15:ABI/Inform(R) 1971-2003/Jan 18  
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 (c) 2003 The Dialog Corp.  
 File 95:TEME-Technology & Management 1989-2003/Jan W1  
 (c) 2003 FIZ TECHNIK  
 File 476:Financial Times Fulltext 1982-2003/Jan 21  
 (c) 2003 Financial Times Ltd  
 File 610:Business Wire 1999-2003/Jan 20  
 (c) 2003 Business Wire.  
 File 613:PR Newswire 1999-2003/Jan 21  
 (c) 2003 PR Newswire Association Inc  
 File 624:McGraw-Hill Publications 1985-2003/Jan 20  
 (c) 2003 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2003/Jan 19  
 (c) 2003 San Jose Mercury News  
 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc

?ds

Set	Items	Description
S1	11476	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO()FREQUENC? OR RF OR RFID)
S2	2197778	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E() (SHOP? ? - OR STORE? ? OR SHOPPE?)OR BRICK()MORTAR? OR BAM
S3	8	READER() INTERROGATOR?
S4	105	S1(5N)S2
S5	87	S4 NOT PY>2001
S6	82	S5 NOT PD=20000905:20001231
S7	62	RD (unique items)
S8	0	S1(S)S3
S9	26	S1(S) INTERROGATOR?
S10	26	S9 NOT S7
S11	21	S10 NOT PY>2001
S12	16	S11 NOT PD=20000905:20001231
S13	13	RD (unique items)

7/3,K/1 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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03335197 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Another exception-al year for RFID**

**(RFID sales expected to grow to \$277.8 mil in 2004)**

Frontline Solutions, v 2, n 13, p 30

December 2001

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 949

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...clear. The Gap, Wal-Mart, Revlon, Procter & Gamble, and McDonald's are among the leading **retailers** and consumer **goods** manufacturers currently conducting **RFID** trials.

Many of these trials, and future outcomes, are related to major standard initiatives led...

7/3,K/2 (Item 2 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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03237406 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SmartShelf: A pro-active technology**

**(Developed by SAMSys Technologies Inc)**

Modern Materials Handling, v 56, n 10, p 21

September 2001

DOCUMENT TYPE: Journal ISSN: 0026-8038 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 299

TEXT:

Staff

An innovative **radio frequency** identification ( **RFID** ) **product** , SmartShelf, is expected to revolutionize **retailing** by providing real-time information on consumer actions, shelf inventory, and product merchandizing.

The SmartShelf...

7/3,K/3 (Item 3 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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03174597 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**RFID Chips Put To The Test -- Procter & Gamble and major clothing retailer will test devices to replace bar codes**

**(Radio-frequency identification devices tested for use instead of barcodes)**

Information Week, p 55

July 02, 2001

DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 416

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...boxes during the holiday shopping season, making it difficult to find a specific item in **inventory** .

The **retailer** hopes to push **RFID** device prices down to 10 cents (from 25 cents to 75 cents) by ordering as...

7/3,K/4 (Item 4 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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02580844 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Spy-vs-Spy Would Love The RF Bug**

(National Communications Group launches the RF Bug, a device which lights up to alert mobile phone or pager users to incoming calls)

Wireless Week, p 31

September 13, 1999

DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 416

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Mike Liddy, assistant manager of the Gateway Electronics store in Denver, one of about 20 **retail** locations carrying **RF** Bug, said the **product** "has sold pretty well here, particularly at first."

RF Bug also detects other forms of...

7/3,K/5 (Item 5 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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02515806 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Short Takes: Symbol Technologies Inc**

(Symbol Technologies and Texas Instruments will integrate Tiris radio - frequency identification products and solutions in retail , supply chain, logistics and other applications)

Computer Reseller News, p 109

July 12, 1999

DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 65

(USE FORMAT 7 OR 9 FOR FULLTEXT)

(Symbol Technologies and Texas Instruments will integrate Tiris radio - frequency identification products and solutions in retail , supply chain, logistics and other applications)

TEXT:

...work in close cooperation to develop market opportunities for the integration of TI's Tiris **radio - frequency** identification **products** and solutions in **retail** , logistics, supply chain and other applications, said the companies. Symbol also said it plans to...

7/3,K/6 (Item 6 from file: 9)

DIALOG(R)File 9:Business & Industry(R)  
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02511514 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Distribution Deals...**



(Symbol Technologies to launch Proforma RFID products from Checkpoint Systems; to be offered to Symbol's retail customers for supply chain uses )

Automatic I.D. News, v 15, n 7, p 24

June 1999

DOCUMENT TYPE: Journal ISSN: 0890-9768 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 157

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...multinationals signed separate development and distribution deals for the technology Symbol Technologies will offer Performa **RFID products** from Checkpoint Systems to **retail** customers for supply chain applications.

Checkpoint's and Symbol's top 50 to 100 retail...

7/3,K/7 (Item 7 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

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02470947 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Emjoi Unveils New Wellness Appliance**

(Emjoi is launching new automatic quick comb that will remove lice from children's hair)

HFN, v 73, n 20, p 94

May 17, 1999

DOCUMENT TYPE: Journal ISSN: 1082-0310 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 286

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Emjoi will be showing at the Gourmet Products Show. These include the Beauty Forever, a **radio - frequency** -based hair-removal **product** with a suggested **retail** price of \$59.99, and the Gently Gold Caress, a epilator that the company claims...

7/3,K/8 (Item 8 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

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02409052 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Initial series of products will utilize Ethernet, home phone lines --**

**Microsoft, 3Com Connect to Produce Home Network Kits**

(Microsoft and 3Com collaborate to bring home-networking technology to market)

Computer Retail Week, p 7

March 22, 1999

DOCUMENT TYPE: Journal ISSN: 1066-7598 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 569

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...1.6M-bps wireless home-networking and Internet-sharing products available to retail channels. Suggested **retail** prices for the **products**, which are based on **radio - frequency** technology, are \$149 for the Cordless ISA Card, \$199 for the Cordless PC Card and...

7/3,K/9 (Item 9 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02147835 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Fighting retail crime**

**(Sixth Sense Security signed distribution pact with Checkpoint Systems (UK)  
to market latter's RF electronic theft control equipment to retailers)**

Automatic ID News Europe, v 7, n 4, p 8

May 1998

DOCUMENT TYPE: Journal; News Brief ISSN: 1363-9765 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 35

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...and Sixth Sense Security (UK), enabling Sixth Sense to sell a range of  
Checkpoint's **RF** electronic article surveillance **products** to small- and,  
medium-sized **retailers**.

7/3,K/10 (Item 10 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02014878 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Altec Lansing and RF-Link jump into home networks**

**(Altec Lansing Technologies teaming with PC makers to bring its Hybrid Home  
Entertainment System to market by 3rd qtr-1998)**

Electronic Engineering Times, p 20

December 08, 1997

DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 761

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...the control back channel. That system could also include an upgraded  
VGA-to-NTSC converter.

**RF** -Link is currently selling its **product** through **retail** outlets but  
is looking for OEM partners to sell or customize its technology for next...

7/3,K/11 (Item 11 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01994259 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**DVD, USB, flat-panel displays in Comdex/Fall '97 spotlight**

**(Toshiba America Information Systems to demonstrate 2 DVD-RAM drives at  
Comdex/Fall; other manufacturers to introduce other products)**

Computer Retail Week, p 01

November 17, 1997

DOCUMENT TYPE: Journal ISSN: 1066-7598 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1068

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...new product to give RF Link its first access to other computer and consumer electronics **retailers** .

The **product** uses the 2.4GHz **radio frequency** and RF Link's WaveCom senders to transmit signals from the computer to a receiver...

7/3,K/12 (Item 12 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01748381 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Off the Books**

(A trend in the retail and wholesale industry is the disappearance of the 500-page catalog, with its attendant manual ordering methods, as **retailers** as well as **wholesalers** shift to electronic processes that are **faster**)

Supermarket News, v 47, n 6, p 23+

February 10, 1997

DOCUMENT TYPE: Journal ISSN: 0039-5803 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 881

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**ABSTRACT:**

...catalog is gaining speed since it is producing instant as well as tangible benefits for **retailers** as well as **wholesalers**. Electronic **product** lists and **radio frequency** technology enable store staff to electronically order products without the need to sift through pages...

**TEXT:**

...printed behemoth -- is gaining momentum because it's producing immediate and tangible benefits for both **retailers** and **wholesalers**.

Electronic **product** lists and **radio frequency** technology enable store staff to electronically order products without the need to sift through pages...

7/3,K/13 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02289641 96120719

**Another exception-al year for RFID**

Burnell, John

Frontline Solutions v2n13 PP: 30 Dec 2001

ISSN: 1528-6363 JRNL CODE: FRSE

WORD COUNT: 990

...TEXT: very dear. The Gap, WalMart, Revlon, Procter & Gamble, and McDonald's are among the leading **retailers** and consumer **goods** manufacturers currently conducting **RFID** trials.

Many of these trials, and future outcomes, are related to major standard initiatives led...

7/3,K/14 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02273418 90043368

**Can RFID effectively track inventory?**

Merritt, Kerry  
Frontline Solutions v2n12 PP: 1 Nov 2001  
ISSN: 1528-6363 JRNL CODE: FRSE  
WORD COUNT: 912

...TEXT: the Massachusetts Institute of Technology's Auto-ID Center to demonstrate the feasibility of using **RFID** to track **retail inventory**. Among the participating companies is Procter & Gamble, makers of Pringles.

"Once we know the data...

7/3,K/15 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02239619 84515480

**the battle over RFID standards**

Cooke, James A  
Logistics Management & Distribution Report v40n10 PP: 59-66 Oct 2001  
ISSN: 1098-7355 JRNL CODE: LMDR  
WORD COUNT: 2132

...TEXT: Alternative

While industrial America continues to debate the viability of MH10.8.4 as a **radio - frequency item** management standard, the **retail** industry has announced plans to develop its own criterion. The Uniform Code Council (UCC) in...

7/3,K/16 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02220515 79133250

**To catch a thief**

Higgins, Amy; Koucky, Sherri  
Machine Design v73n16 PP: 44-50 Aug 23, 2001  
ISSN: 0024-9114 JRNL CODE: MDS  
WORD COUNT: 2145

...TEXT: UltraMax label has the smallest footprint in the industry.

UltraMax labels are used in many **retail** stores to tag high-priced **goods**.

The company manufactures inexpensive **RF** tags on high-speed web rolls and applies them at a rate of 1,200...

7/3,K/17 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02207386 75175330

**RFID chips put to the test**

Rosen, Cheryl  
Informationweek n844 PP: 55 Jul 2, 2001  
ISSN: 8750-6874 JRNL CODE: IWK  
WORD COUNT: 435

...TEXT: boxes during the holiday shopping season, making it difficult to find a specific item in **inventory**.

The **retailer** hopes to push **RFID** device prices down to 10 cents (from 25 cents to 75 cents) by ordering as...

7/3,K/18 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02198932 75445493

**RFID standards buoy packaging**

Forcinio, Hallie  
Frontline Solutions v2n8 PP: 1, 49+ Jul 2001  
ISSN: 1528-6363 JRNL CODE: FRSE  
WORD COUNT: 1370

...TEXT: the item; and a common Product Markup Language (.pml), which allows inanimate objects to communicate.

**RFID** could let **products** 'talk' with **retail** shelves.

Billed as the next generation bar code, the ePC houses 96 bits of information...

7/3,K/19 (Item 7 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02123162 68125149

**Retail cards seek wallet share**

Tye, Kenneth L  
Chain Store Age v77n2 PP: 72 Feb 2001  
ISSN: 1087-0601 JRNL CODE: CSA  
WORD COUNT: 1399

...TEXT: N.C.-based Marconi Commerce Systems has developed a new RFID payment device for the **retail** marketplace. The **product** allows customers to wave an **RFID** -enabled device-such as a key fob-in front of the reader to make their...

7/3,K/20 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01903617 05-54609

**Is the CPMA 'tower' on a solid foundation?**

Burnell, John  
Automatic I.D. News v15n11 PP: 26-28 Oct 1999  
ISSN: 0890-9768 JRNL CODE: AIN  
WORD COUNT: 1667

...TEXT: in the standards development process.

What does supply chain management have to do with it?

**Retailers** and consumer **goods** manufacturers, EAS and **RF** vendors may find common ground in their desire for standardized, lowcost tags to enable item...

7/3,K/21 (Item 9 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01871479 05-22471

**RFID shows growing value in retail loss prevention, inventory tracking**

Koloszyc, Ginger

Stores v81n8 PP: 94-96 Aug 1999

ISSN: 0039-1867 JRNL CODE: STR

...ABSTRACT: next few years, according to a prominent loss prevention consultant. In the near future, many **retailers** will use **RFID** to fight **merchandise** counterfeiting, returns fraud and theft, as well as manage merchandise logistics, perpetual inventory and offer...

7/3,K/22 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01861387 05-12379

**Radio superstar**

Kruger, Renee M

Discount Merchandiser v39n7 PP: 80 Jul 1999

ISSN: 0012-3579 JRNL CODE: DMD

WORD COUNT: 988

...TEXT: RFID can provide security protection for warehouses and distribution centers as well as for the **retail** store.

Accelerated **Inventory** Counts and Improved Accuracy- **RFID** can allow reconciliation of **product** deliveries to shipping documents along the complete supply chain. Without the need to open a...

7/3,K/23 (Item 11 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01695432 03-46422

**Retailers banking on hard returns from 'soft' security**

Abend, Jules

Bobbin v39n13 PP: 60-62+ Aug 1998

ISSN: 0896-3991 JRNL CODE: BBN

WORD COUNT: 2038

...TEXT: Avery Dennison, VIP Converted Products North America (right). The latter integrates variable price marking and **product** identification with **radio frequency** EAS technology.

U.S. **retailers** lost an estimated \$25,7 billion in 1996 as a result of employee theft, shoplifting...

7/3,K/24 (Item 12 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01597655 02-48644

**Have printer, will travel**

Weil, Marty

Manufacturing Systems v16n2 PP: 112-118 Feb 1998

ISSN: 0748-948X JRNL CODE: MFS

WORD COUNT: 2222

...TEXT: is one of the hottest portable printing trends. Wal-Mart, K-Mart, and other major **retailers** are using **RF**-driven **inventory** reorder systems that include wireless printers. At many retail distribution centers, wireless printers improve operator...



7/3,K/25 (Item 13 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01307176 99-56572

**Sensormatic says: 'RFID? Not for the next ten years'**

Anonymous

Apparel Industry Magazine v57n9 PP: 31 Sep 1996

ISSN: 0192-1878 JRNL CODE: ANM

WORD COUNT: 364

...TEXT: code....The technology does not now meet the requirements of accuracy, low cost, and universal **product** applicability. ...However, the role of **RFID** should increase in the **retail** sector, initially for high-end **merchandise** and supply chain logistics. ... **RFID** will be integrated with EAS at little additional cost as compared to RFID alone. Because...

... RFID tags for high priced goods like electronics and high fashion soft goods. In addition **retailers** will make extensive use of **RFID** for logistics and **inventory** control at the pallet and carton level...."

The Sensormatic/Paxar label appears on page 70...

7/3,K/26 (Item 14 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01128591 97-77985

**Specialty softgoods: Technology remains key**

Anonymous

Chain Store Age Inventory Management: The Focus Increases Supplement PP:  
6-7 Dec 1995

ISSN: 0193-1199 JRNL CODE: CSA

WORD COUNT: 505

...TEXT: majority -- 56% -- do not utilize RF hardware and have no immediate plans for change. Those **retailers** whose **inventory** management strategy does involve **RF** technology employ it primarily for electronic article surveillance (29%); usage rates for price checks, price...

7/3,K/27 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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20055913 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**A tale of retail**

Rumy Mukherjee

ECONOMIC TIMES

November 30, 2001

JOURNAL CODE: WETI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 818

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... store. Many are looking at consumer data extraction methods.  
The next step in technology for **retailing** will be **radio frequency** chips attached to the **products**. The movement of products can be monitored immediately enabling companies to manage inventories and pick...

7/3,K/28 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
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16687178 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Sensormatic Introduces First Fully-Integrated RFID System to the Retail Market; New SensorSmart Product Line Provides Merchandise Information Anywhere, Any Time**

BUSINESS WIRE

May 15, 2001

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 848

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... expanding on our expertise with security technologies into total supply chain management."

According to Loof, **inventory** management is one of the **RFID** applications most requested by **retailers**. During recent in-store testing, inventory counting was completed five to eight times faster with ...

...provide real-time information on what is in the store at any given time. Specialty **retailer** J. Crew is testing **RFID** for store level **inventory** counting to reduce out-of-stock situations, obsolete inventory and to allow associates to quickly...

7/3,K/29 (Item 3 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
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15046234 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**TIRIS Division Changes Name to Texas Instruments RFID Systems**

PR NEWSWIRE

January 24, 2001

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 498

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... more directly across all markets and applications."

TI\*RFID recently announced its eCommerce capabilities, called **eStore**, which makes its **RFID products** more readily available for engineers and systems integrators to evaluate and deploy RFID technology for...

7/3,K/30 (Item 4 from file: 20)

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14504598 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Marconi Commerce Systems Introduces New Wireless Payment Option for the Retail Marketplace**

BUSINESS WIRE

January 04, 2001

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 570

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... uses Radio Frequency Identification (RFID) technology to speed payment of an order, which benefits the **retailer** and the consumer. With **RFID** technology, customers purchase **products** by waving their **RFID** device, such as a key tag, in front of the reader. Marconi is offering

readers...

7/3,K/31 (Item 5 from file: 20)  
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11171737 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Sensormatic Enters New Market With First RFID In-Store Inventory Management  
Installation at Movie Gallery**  
BUSINESS WIRE  
May 23, 2000  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 766

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... RFID with the security benefits of UltraMax anti-shoplifting systems.

"Sensormatic is developing the flexible **products** needed to provide **RFID** and security solutions throughout the **retail** supply chain," Cannellos said. "We have the technology and team in place and we are..."

7/3,K/32 (Item 6 from file: 20)  
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10611235 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Intermec Teams With Epsilon to Provide Complete Solution for Retailers**  
BUSINESS WIRE  
April 17, 2000  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 397

... multiple application software from Epsilon Technology Solutions to give retailers real-time data.

Intermec offers **retailers** a complete, integrated line of **products** -- hand-held computers, scanners, printers, **RFID**, mobile systems and wireless networks to provide retailers one source for their hardware and support.

7/3,K/33 (Item 7 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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09893411  
**Tagging shop lifters at the source**  
ABIX - AUSTRALASIAN BUSINESS INTELLIGENCE (MANUFACTURERS' MONTHLY) , p64  
February 01, 2000  
JOURNAL CODE: WMMO LANGUAGE: English RECORD TYPE: ABSTRACT  
WORD COUNT: 89

... 05 each and can be inserted into the goods at the point of manufacture, saving **retailers** the costly process of tagging **goods** manually at the store. The **radio frequency** tags are paper-thin and easily integrated into the manufacturing process. John Shoemaker, the vice ...

7/3,K/34 (Item 8 from file: 20)  
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08204837 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Sensormatic Shareholders Re-Elect Two Directors; CEO Loof Recaps Prior Year's Successes, Outlines Plans for Future Growth At Annual Stockholders' Meeting**

BUSINESS WIRE

November 12, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 769

...to benefit from the record number of new products introduced during 1999, including digital video **products**, networked access control applications and **RFID products** for the **retail** supply chain. Loof then defined his vision for Security and Beyond, a new program designed...

**7/3,K/35 (Item 9 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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07469500 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Intermec Introduces RFID Intelligent Label for Tracking Dynamic Supply Chain Information**

PR NEWSWIRE

September 28, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 698

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... quantity for a variety of item management applications ranging from automotive, electronics and logistics to **retail** and consumer **goods**.

"Customers can quickly incorporate **RFID** with their existing bar code data collection systems, gaining the expanded capability of RFID while...

**7/3,K/36 (Item 10 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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06292022 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Asante Technologies Unveils Comprehensive Connectivity Platform and Product Roadmap for the Emerging Small/Home Office Market**

BUSINESS WIRE

July 20, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 555

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 1.0 (1 Mbps). These products will be available in the next 60 days through **retail** and reseller channels.

Initial wireless **products** consist of an USB-to- **RF** adapter and a PCI-to-RF adapter both with built-in RF modems. Product availability...

**7/3,K/37 (Item 11 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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05979537 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Symbol Technologies to Develop Automatic Data Collection Solutions With Texas Instruments TIRIS RFID Technology**

BUSINESS WIRE

June 30, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 878

... to work in close cooperation to develop market opportunities for the integration of TIRIS(TM) **RFID products** and solutions in **retail**, logistics, supply chain, and other applications, with an initial focus in North America and Europe...

**7/3,K/38 (Item 12 from file: 20)**  
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05977490 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Symbol Technologies to Develop Automatic Data Collection Solutions With Texas Instruments TIRIS(TM) RFID Technology**  
PR NEWSWIRE  
June 30, 1999  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 609

... to work in close cooperation to develop market opportunities for the integration of TIRIS(TM) **RFID products** and solutions in **retail**, logistics, supply chain, and other applications, with an initial focus in North America and Europe...

**7/3,K/39 (Item 13 from file: 20)**  
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05723908 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Checkpoint New Technology Delivers Unprecedented, In-Floor EAS Loss-Prevention System**  
BUSINESS WIRE  
June 14, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 702

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... RF sensors and disposable tags for retail electronic article surveillance. Checkpoint offers a family of **RFID products** (tags and readers) which target **retail**, library, industrial, commercial, and VAR applications. As a global provider, Checkpoint has 350,000 systems...

**7/3,K/40 (Item 14 from file: 20)**  
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05401469 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Retailers And Manufacturers Meet In Support of Source Tagging**  
BUSINESS WIRE  
May 20, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 861

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... presentations and working sessions, the conference included concurrent workshops on available radio frequency identification technology ( **RFID** ) systems for **retail** applications, **product** marketing and merchandising with **RF** electronic article surveillance, label integration solutions, and other RF technology developments.  
Checkpoint Systems, Inc. located...

7/3,K/41 (Item 15 from file: 20)  
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05204608 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Symbol Chooses Checkpoint As "Best of Breed" In 13.56MHz RFID Retailers and Supply Chain Receive New Benefits with Combined Bar Code and RFID Technologies**  
BUSINESS WIRE  
May 05, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 898

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and the reading of multiple items in a container needed in parcel tracking and warehouse **inventory** functions. **Retailers** prefer the **RFID** tag because it combines **item** identification information with enhanced loss-prevention capability.  
"Checkpoint offers a unique combination of best-of...

7/3,K/42 (Item 16 from file: 20)  
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05099785 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Bar Codes Go Wireless; New RFID Technology Expands Opportunities for Automated Data Collection**  
PR NEWSWIRE  
April 26, 1999  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 329

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... services). High-volume growth opportunities are expected in supply chain management applications, where suppliers and **retailers** can use **RFID** to track individual **items** -- in real time -- from the production floor to the end customer.  
Intermec recently introduced semiconductor...

7/3,K/43 (Item 17 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

05067596 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**UNOVA Reports First Quarter Results**  
BUSINESS WIRE  
April 23, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1080

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Sensormatic will market this technology to its global electronic article surveillance (EAS) markets throughout the **retail** industry.  
First **RFID product** sets for pilot installations will be delivered by mid-year, including tags, readers, software and...

7/3,K/44 (Item 18 from file: 20)



DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04516818 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**The Charlotte Observer, N.C., Business Briefs Column**  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (CHARLOTTE (N.C.) OBSERVER)  
March 04, 1999  
JOURNAL CODE: KCOB LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 561

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of new medicines.  
GILBARCO ACQUIRED Logitron, the leading Italian supplier of fuel dispensing equipment and **retail** automation **products**.  
**RF** MICRO DEVICES, a Greensboro microchip maker, announced a 2-for-1 stock split for those...

7/3,K/45 (Item 19 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

02462294 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**WebGear Announces Aggressive Pricing on Aviator Wireless LAN Products for Home and Small Office PC Users**  
BUSINESS WIRE  
August 10, 1998 6:20  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 875

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Inc., the first company to develop, market and actually ship Home and Small Office Wireless **RF** Local Area Networking (LANs) **products** into the **retail** channel today announced a major price reduction aimed at widening the potential customer base for...

7/3,K/46 (Item 1 from file: 476)  
DIALOG(R)File 476:Financial Times Fulltext  
(c) 2003 Financial Times Ltd. All rts. reserv.

0008565722 BOGJBACADFFT  
**Survey - FT IT: Taking to the airwaves**  
GEORGE BLACK  
Financial Times, Survey London Edition 1 ED, P 8  
Wednesday, October 2, 1996  
DOCUMENT TYPE: Surveys; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
Word Count: 1,070

...the back room'.

Already around two-thirds of the top 20 per cent of US **retailers** in any **product** sector are installing **RF** networks and forecasters predict that this figure will reach 100 per cent within three years...

7/3,K/47 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2003 Business Wire. All rts. reserv.

00435791 20010104004B3998 (USE FORMAT 7 FOR FULLTEXT)  
**Marconi Commerce Systems Introduces New Wireless Payment Option for the**

**Retail Marketplace-Readers process RFID technology for Quick Service Restaurants**

Business Wire

Thursday, January 4, 2001 10:54 EST

JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 574

TEXT:

...uses Radio Frequency Identification (RFID) technology to speed payment of an order, which benefits the **retailer** and the consumer. With **RFID** technology, customers purchase **products** by waving their **RFID** device, such as a key tag, in front of the reader. Marconi is offering readers...

**7/3,K/48 (Item 1 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2003 PR Newswire Association Inc. All rts. reserv.

00269316 20000218SFM046 (USE FORMAT 7 FOR FULLTEXT)

**Retail Leader Tci Certifies Intermec's 2415 Handheld Computer for Use with Its Retailsuite(TM) Management Software**

PR Newswire

Friday, February 18, 2000 16:19 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 700

Intermec is the only manufacturer to offer **retailers** a complete, integrated line of **products** -- handheld computers, scanners, printers, **RFID**, mobile systems and wireless networks. The systems are engineered using open industry standards, providing seamless...

**7/3,K/49 (Item 1 from file: 810)**

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0795324 BW0080

**GERS RETAIL SYSTEMS: GERS Retail Systems Introduces New Solutions Software At NRF**

January 15, 1998

Byline: Business Editors

...in New York.

GERS is the leading supplier of Oracle relational database solutions to the **retail** industry. The GERS **product** suite includes point-of-sale, **radio frequency** warehousing, purchasing, **inventory** management and accounting applications.

GERS **Retail** Systems provides fully integrated, open systems computer solutions software, hardware, and comprehensive training for the...

**7/3,K/50 (Item 2 from file: 810)**

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0781160 BW0349

**MICROCHIP TECHNOLOGY 2: Microchip Technology Debuts Industry's  
Highest-Performance RFID Tags for Very Low-Cost Applications**

December 03, 1997

Byline: Business Editors/Computer Writers

...cost tagging and anticollision capability provided  
by the MCRF250 and MCRF350 enables new applications for **RFID** tags,  
such as in **retail** ( **inventory** , Electronic Article Surveillance (EAS)  
and reverse logistics), airline baggage, parcel shipment, industrial  
laundry, industrial assembly...

7/3,K/51 (Item 3 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0704277 BW0042

**PROXIM MONARCH: Proxim and Monarch team up to deliver wireless portable  
scanner/printer**

May 19, 1997

Byline: Business Editors/Computer Writers

...used to collect, process, print and apply information  
in real time, and is targeted at **retail** , healthcare and other  
**inventory** management environments.  
" **RF** technology saves money, boosts efficiency and accuracy, cuts  
paperwork and saves steps," said John Paxton...

7/3,K/52 (Item 4 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0645088 BW1148

**CHECKPOINT SYSTEMS: Checkpoint Systems announces radio frequency source  
tagging partnership with Microsoft Corporation**

November 14, 1996

Byline: Business Editors

...to Dave Shoemaker, vice president of business development  
for Checkpoint, Microsoft joins hundreds of other **retail** vendors in  
providing **RF** source tagged **merchandise** . "We are extremely pleased  
with Microsoft's decision to RF source tag for our shared...

7/3,K/53 (Item 5 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0533879 BW1266

**FAY'S CHECKPOINT SYSTEMS: Fay's Incorporated begins chainwide installation  
of Checkpoint Systems, Inc.'s radio frequency (RF) EAS systems**

November 13, 1995

Byline: Business Editors

...RF security labels into products or packaging during manufacture, has taken a foothold in the **retail** industry. More than 200 consumer **product** manufacturers are using **RF** security labels to source tag thousands of products prone to high shoplifting losses. Retailers, through...

7/3,K/54 (Item 6 from file: 810)  
DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0451535 BW1287

**CHECKPOINT SYS: AS MOMENTUM GROWS FOR SOURCE TAGGING IN CHAIN DRUG INDUSTRY, CHECKPOINT EMERGES AS FAVORITE AMONG MANY DRUG CHAINS, CONSUMER PRODUCT MANUFACTURERS; Walgreens, Nation's Largest Drug Chain, Is Latest To Select Checkpoint Technology And Source Tagging Program**

December 15, 1994

Byline: Business Editors

...already are delivering source-tagged merchandise to Checkpoint customers in the chain drug and other **retail** industries. "Thousands of consumer **products** with Checkpoint's **RF** labels have already been source-tagged by manufacturers and shipped to retailers," Mr. Dowd said...

7/3,K/55 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1275143 ATM029  
**Manhattan Associates - The First to Guarantee Compliance with the Top 100 Retailers' Guidelines**

DATE: May 11, 1998 14:49 EDT WORD COUNT: 487

...to new and ongoing compliance requirements such as:

- Internet-based routing guides
- Evolving label formats
- **RFID** **product** -marking technology
- **Retail** store specific carton/pallet packing requirements

Manhattan Associates provides information technology solutions designed to enable...

7/3,K/56 (Item 2 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1189641 FLTH099  
**Synopsis Of Checkpoint Systems, Inc. Presentation At Southeast Research Partners Sixth Annual Institutional Conference**

DATE: November 20, 1997 14:20 EST WORD COUNT: 542

... gives Checkpoint a leadership position as a supplier of CCTV and video surveillance systems for **retailers** in Canada.

Checkpoint's **product** line includes **radio frequency (RF)** based EAS (electronic article surveillance) systems, electronic access control systems, point-of-sale (POS) monitoring...

7/3,K/57 (Item 3 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0919625 PHTH006  
**RF USERS GROUP REPORTS SALES INCREASES AS HIGH AS 900 PERCENT IN PRODUCT CATEGORIES WITH SOURCE TAGGED RF SECURITY LABELS**

DATE: February 29, 1996 09:48 EST WORD COUNT: 365

...retail strategies for the implementation of radio frequency (RF) source tagging which embeds paper-thin **RF** labels into **products** or packaging. Representatives from all **retail** segments, accounting for more than \$150 billion in buying power -- department stores, drug stores, mass...

...Group, the growing attendance at the Users Group meetings translates into an increasing demand for **RF** source tagged **products**.

" **Retailers** receiving **RF** source tagged **products** from manufacturers are reporting substantial sales increases as they take products once kept behind the...

7/3,K/58 (Item 4 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0728026 PH003  
**CHECKPOINT SYSTEMS, INC. NAMES ALLAN S. KALISH TO ITS BOARD OF DIRECTORS**

DATE: July 28, 1994 08:43 EDT WORD COUNT: 306

...can be activated and deactivated. The company's Impulse(R) source tagging program embeds these **RF** circuits into thousands of consumer **products** sold in diverse **retail** environments including drugstores, mass merchandisers, supermarkets, and specialty stores.

/delval/

7/3,K/59 (Item 5 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0649964 PH024  
**RIAA FINDS ACOUSTO-MAGNETIC TECHNOLOGY UNACCEPTABLE; CHECKPOINT IS READY TO IMPLEMENT SOURCE TAGGING**

DATE: November 11, 1993 15:25 EST WORD COUNT: 381

...activated and deactivated without contact. Checkpoint's Impluse(SM) source tagging program, which embeds EAM **RF** tags in **products** or packaging, enhances **retail** security and sales.

Viewpoint, a point-of-sale monitoring system, helps control internal theft losses...

7/3,K/60 (Item 6 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0555174 PH002  
CHECKPOINT SYSTEMS, INC. DEBUTS REVOLUTIONARY WIDE AISLE SYSTEM AT NATIONAL  
RETAIL FEDERATION CONVENTION

DATE: January 18, 1993 08:32 EST WORD COUNT: 380

...than 65,000 retail  
installations worldwide. Checkpoint's source tagging program,  
Impulse(SM), embeds its RF targets into products or product packaging  
before they reach the retail level.

/delval/

7/3,K/61 (Item 7 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0548920 PH005  
CHECKPOINT SYSTEMS, INC. AND MERISEL FORM SOURCE TAGGING PARTNERSHIP

DATE: December 22, 1992 10:14 EST WORD COUNT: 518

...to implement Impulse(SM) source  
tagging, a program which incorporates Checkpoint's paper-thin,  
disposable radio frequency ( RF ) security targets into computer  
products  
before the products reach the retail level. Merisel is the first  
computer products distributor to participate in the program. Franklin  
Computer...

7/3,K/62 (Item 8 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0396481 NE004  
SYMBOL TECHNOLOGIES ANNOUNCES STRATEGIC ALLIANCE WITH POST SOFTWARE  
INTERNATIONAL

DATE: September 5, 1991 08:31 EDT WORD COUNT: 462

...for use with  
the extensive line of Symbol laser scanners and portable data terminals,  
including products with integrated radio frequency ( RF )  
capabilities.

The open architecture retail system includes point-of-sale (POS),  
price file verification, shelf price audit, inventory management,  
ordering...



13/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

01444624 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**IC makers answer the call of the wireless**  
**(Semiconductor makers are moving quickly, as the wireless communications**  
**business maintains exponential growth)**  
Electronic Engineering Times, n 894, p 43+  
March 25, 1996  
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 4267

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...and sales personnel fleets. The company has teamed with Unisys Corp., which will design an **interrogator** and will market **RFID products** and related services.

Tuttle claimed that the product is a lower-cost, smaller system version...

13/3,K/2 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01889898 05-40890  
**Beyond bar codes: RFID labels listen and talk**  
Hill, Cindy  
Textile World v149n8 PP: 68-71 Aug 1999  
ISSN: 0040-5213 JRNL CODE: TXW  
WORD COUNT: 1627

...TEXT: Today, Intermec is the only company that offers the complete range of label media, printer, **RFID** and scanner/ **interrogator products** manufactured by a single source. Intermec, a subsidiary of UNOVA, Inc., (NYSE: UNA) is a...

13/3,K/3 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

16323797 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**PHILIPS SEMICONDUCTORS: Philips Semiconductors joins the Auto ID Center to**  
**advance next generation product code technology based on RFID**  
M2 PRESSWIRE  
April 24, 2001  
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 742

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... chips packaged with tiny antennae, known as tags or smart labels, and readers known as **interrogators** to provide information many times faster than traditional bar code technology. Philips' expertise in the...

13/3,K/4 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

09069671 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SAMSys Technologies Inc. Receives Certification for its Multi-Protocol,  
Multi-Frequency RFID Reader**

CANADA NEWSWIRE

January 11, 2000

JOURNAL CODE: WCNW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 642

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... successfully completed.

The Company's proprietary and industry leading RFID reader product known as the **Interrogator** Control Module ("ICM"), has completed verification testing as a Class A Digital Device and is...

**13/3,K/5 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

09069138 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**(PR) SAMSys Technologies Inc. Receives Certification for its  
Multi-Protocol, Multi-Frequency RFID Reader**

PR NEWSWIRE

January 11, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 634

(USE FORMAT 7 OR 9 FOR FULLTEXT)

The Company's proprietary and industry leading RFID reader product known as the **Interrogator** Control Module ("ICM"), has completed verification testing as a Class A Digital Device and is...

**13/3,K/6 (Item 4 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

09045571 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SAMSys Technologies Inc. Files Patent for Multi-Protocol, Multi-Frequency  
RFID Reader**

CANADA NEWSWIRE

January 07, 2000

JOURNAL CODE: WCNW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 817

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... its proprietary Intellectual Property. This latest patent application titled "RFID Tag Interrogator" refers to the **Radio Frequency** Identification ( **RFID** ) technology and **product** which the Company has developed in-house, and which represents a significant milestone in the...

**13/3,K/7 (Item 5 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

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09020069 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**(PR) SAMSys Technologies Inc. Files Patent for Multi-Protocol,  
Multi-Frequency RFID Reader**

PR NEWSWIRE

January 07, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 810

.. ' ~ (USE FORMAT 7 OR 9 FOR FULLTEXT)

... its proprietary Intellectual Property. This latest patent application titled "RFID Tag Interrogator" refers to the **Radio Frequency Identification ( RFID )** technology and **product** which the Company has developed in-house, and which represents a significant milestone in the...

**13/3,K/8 (Item 6 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04728924 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Intermec Alters Landscape of RFID Market, Launches Intellitag 500 Suite of Application-Based, Multiple Frequency Products**  
BUSINESS WIRE  
March 23, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1302

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... up to 10 meters. Our single-antenna scenarios offer significant range while reducing antenna, cabling, **interrogator**, and installation costs. Fourth, Intermec's products are the first to be compliant with the ...

**13/3,K/9 (Item 7 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04523174 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Small-cap SAMSys has promise**  
INVESTORS DIGEST, p8  
January 01, 1999  
JOURNAL CODE: FIDT LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 822

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... system involves transponders (radio tags) that are placed on what is being tracked, and an **interrogator**, or scanner that can read many of the tags simultaneously from up to 10 meters...

**13/3,K/10 (Item 8 from file: 20)**  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04499853 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Micron Communications, Inc., Announces New DuraTracker RFID Tag for Fleet Management and Container Tracking**  
BUSINESS WIRE  
March 02, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 409

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Director for Micron Communications. "New products like the DuraTracker RFID tag and the 4100-20 **Interrogator** introduced last year add great value to the RFID solutions we're providing our customers...

\*13/3,K/11 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2003 Business Wire. All rts. reserv.

00453064 20010131031B1525 (USE FORMAT 7 FOR FULLTEXT)  
**Intermec, Philips Semiconductors and Gemplus Tag Submit Joint Proposal to ISO For the Use of RFID in Item Management Applications**  
Business Wire  
Wednesday, January 31, 2001 03:10 EST  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 854

**RFID** technology allows companies to track **items** without the line of sight requirements of automatic data collection. RFID systems typically use computer chips packaged with tiny antennas, known as tags, and readers known as **interrogators** to provide information at many times the speed of traditional bar code technology.

The joint...

13/3,K/12 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0868296 NY003  
**ULTRALIFE BATTERIES RECEIVES MAJOR ORDER FROM SAVI TECHNOLOGY FOR NEW THIN CELL BATTERIES**

DATE: October 10, 1995 08:30 EDT WORD COUNT: 725

...limitless -- they're revolutionizing the way military and industrial assets are managed."

The Savi wireless **inventory** management system consists of (1) **radio frequency** (RF) tags, which are placed on crates, containers, rail cars, or other assets, (2) fixed or portable "**interrogator**" transponders that can send information to and retrieve information from the tags, and (3) personal...

13/3,K/13 (Item 2 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0722080 DC027  
**UNISYS CORPORATION AND MICRON COMMUNICATIONS, INC., TEAM TO DELIVER RADIO FREQUENCY IDENTIFICATION PRODUCTS**

DATE: July 11, 1994 13:42 EDT WORD COUNT: 390

...tracking, personnel identification, commodity monitoring and toll collection for highways and rapid transit systems. The **RFID product** will be based on the important and same highly sophisticated communication technology used by the...

...S. Government for secure, noise immune data transmission. The systems will use a Unisys designed **interrogator** to receive and arbitrate data from a CMOS, spread spectrum RFID tag being developed by Micron.

File 635:Business Dateline(R) 1985-2003/Jan 21  
     (c) 2003 ProQuest Info&Learning  
 File 476:Financial Times Fulltext 1982-2003/Jan 21  
     (c) 2003 Financial Times Ltd  
 File 477:Irish Times 1999-2003/Jan 21  
     (c) 2003 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2003/Jan 21  
     (c) 2003 Times Newspapers  
 File 711:Independent(London) Sep 1988-2003/Jan 20  
     (c) 2003 Newspaper Publ. PLC  
 File 756:Daily/Sunday Telegraph 2000-2003/Jan 21  
     (c) 2003 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2003/Jan 21  
     (c) 2003  
 File 387:The Denver Post 1994-2003/Jan 17  
     (c) 2003 Denver Post  
 File 471:New York Times Fulltext 90-Day 2003/Jan 21  
     (c) 2003 The New York Times  
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
     (c) 2002 Phoenix Newspapers  
 File 494:St LouisPost-Dispatch 1988-2003/Jan 20  
     (c) 2003 St Louis Post-Dispatch  
 File 498:Detroit Free Press 1987-2003/Jan 17  
     (c) 2003 Detroit Free Press Inc.  
 File 631:Boston Globe 1980-2003/Jan 19  
     (c) 2003 Boston Globe  
 File 633:Phil.Inquirer 1983-2003/Jan 20  
     (c) 2003 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2003/Jan 20  
     (c) 2003 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2003/Jan 20  
     (c) 2003 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2003/Jan 18  
     (c) 2003 Scripps Howard News  
 File 702:Miami Herald 1983-2003/Jan 09  
     (c) 2003 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2003/Jan 17  
     (c) 2003 USA Today  
 File 704:(Portland)The Oregonian 1989-2003/Jan 18  
     (c) 2003 The Oregonian  
 File 713:Atlanta J/Const. 1989-2003/Jan 19  
     (c) 2003 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2003/Jan 17  
     (c) 2003 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2003/Jan 21  
     (c) 2003 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Aug 1991-2000/Dec 13  
     (c) 2000 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2000/Nov 01  
     (c) 2000 St. Petersburg Times  
 ?ds

Set	Items	Description
S1	747	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO()FREQUENC? OR RF OR RFID)
S2	842312	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E() (SHOP? ? - OR STORE? ? OR SHOPPE?)OR BRICK()MORTAR? OR BAM
S3	0	READER()INTERROGATOR?
S4	46	S1(S)S2
S5	40	S4 NOT PY>2001
S6	39	S5 NOT PD=20000905:20001231
S7	39	RD (unique items)
S8	0	S1(S)INTERROGATOR?

7/3,K/1 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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2210297 87105966  
**Sentry Technology Appoints Director of Sales for Latin America**  
Anonymous  
PR Newswire pl  
Oct 31, 2001  
WORD COUNT: 390  
DATELINE: Hauppauge New York

TEXT:

...SentryVision(R), a proprietary, patented traveling Surveillance System. The company's products are used by **retailers** to deter shoplifting and internal theft and by industrial and institutional customers to protect assets and people. The recent partnership with Dutch A&A Holding BV expands the Company's **product** offering to include **Radio Frequency** Identification (RFID) and proximity Access Control solutions.

Except for the historical information herein, certain matters...

7/3,K/2 (Item 2 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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2006949 50922353  
**IDmicro Strengthens RFID Edge With QuickRIC Acquisition**  
Anonymous  
Business Wire pl  
Mar 10, 2000  
WORD COUNT: 371  
DATELINE: Tacoma Washington

TEXT:

...today that it has completed the acquisition of QuickRIC Software, LLC, a Radio Frequency Identification ( **RFID** ) software development company, in a **stock** and cash deal that strengthens IDmicro's **RFID product** development capabilities to quickly deliver vendor neutral based solutions for its transportation, **retail** and supply chain management applications.

IDmicro will use this software for developing wireless communication applications...

7/3,K/3 (Item 3 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0952270 99-15050  
**Checkpoint says: Tag, you're it**  
Kasrel, Deni  
Philadelphia Business Journal (Philadelphia, PA, US), V17 N19 pl  
PUBL DATE: 980619  
WORD COUNT: 925  
DATELINE: Thorofare, NJ, US, Middle Altantic

TEXT:

...Checkpoint Systems Inc. is developing what it hopes will be a revolutionary product to help **retailers** track **inventory** and prevent theft.



Using **radio frequency** identification technology, the **product**, basically a paper-thin security tag embedded with a computer chip, will "fingerprint" any item in a **retailer**'s inventory.

That fingerprint will include lots of specific information including make, model, serial number...  
...develop RFID technology for library and retail applications.

Diamond has beta-tested a read-only **RFID product** with a major electronics **retailer**. The roll-out schedule calls for Checkpoint to deliver, in September, read-only RFID systems...

7/3,K/4 (Item 4 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0804361 97-64349  
**Symbol names Kenneth Jaeggi chief financial officer**  
Powell, Jack Jr  
Business Wire (San Francisco, CA, US) p1  
PUBL DATE: 970428  
WORD COUNT: 380  
DATELINE: Holtsville, NY, US, Middle Atlantic

TEXT:

...company designs, manufactures and markets bar code scanning equipment, application-specific hand-held computers and **radio frequency** data communications **products** and systems that are the strategic building blocks for **retailing**, package and parcel delivery, warehousing and distribution, manufacturing and other industries.

7/3,K/5 (Item 5 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0778991 97-37560  
**Checkpoint Systems, Inc. completes acquisition of 2M Security Systems ApS of Denmark**  
Gaynes, Steven  
Business Wire (San Francisco, CA, US) p1  
PUBL DATE: 970204  
WORD COUNT: 136  
DATELINE: Thorofare, NJ, US, Middle Altantic

TEXT:

...Inc., located in Thorofare, New Jersey, is a leading provider of integrated security solutions for **retailers** worldwide. The company is also the leading provider of radio frequency source tagging, which allows its paper-thin **RF** tags to be embedded into **products** or product packaging.

7/3,K/6 (Item 6 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0761664 97-20197  
**Trade Center favored: Proposal touted as sale of rail yard is finalized**  
Reath, Viki  
Washington Times (Washington, DC, US) pB7  
PUBL DATE: 961204

WORD COUNT: 616

DATELINE: Washington, DC, US, South Atlantic

TEXT:

...zoning approvals, we never thought they would do this type of low-level development."

The **RF &P large- inventory** , single-category store project would be the largest **retail** site of its kind inside the Beltway, outstripping a similar center in Baileys Crossroads.

Bookseller...

7/3,K/7 (Item 7 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0753208 97-11735

**Symbol unveils high-throughput scanner for food retail industry**

Picker Doug

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 961105

WORD COUNT: 334

DATELINE: Holtsville, NY, US, Middle Atlantic

TEXT:

...company designs, manufactures and markets bar code scanning equipment, application-specific hand-held computers and **radio frequency** data communications **products** and systems that are used as strategic building blocks in solutions in **retail** , package and parcel delivery, manufacturing, warehousing and distribution, health care and other industries.

7/3,K/8 (Item 8 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0735434 96-93949

**Percon Incorporated announces new line of hand-held laser scanners**

Daniels, Beth

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 960909

WORD COUNT: 856

DATELINE: Eugene, OR, US, Pacific

TEXT:

...company designs, manufactures, and markets bar code scanning equipment, application specific hand-held computers, and **radio frequency** data communications **products** and systems that are strategic building blocks for **retailings** , package and parcel delivery, warehousing and distribution, manufacturing and other industries.

For more information contact...

7/3,K/9 (Item 9 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0703235 96-60615

**Corporate Profile for Symbol Technologies**

Tully, Nancy

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 960517

WORD COUNT: 524

DATELINE: Holtsville, NY, US, Middle Atlantic

TEXT:

...Symbol scanners, data terminals and wireless networks are used across a spectrum of industries, including **retailing**, transportation and distribution logistics, warehousing, manufacturing, parcel and postal services and health care.

Working closely...

...bar code industry, Symbol is also the technology leader, holding more than 200 patents for **products** such as data management networks, **RF** data communication **products**, fixed-mount and hand-held scanners and terminals, integrated scanning terminals and interface controllers.

Combining...

**7/3,K/10 (Item 10 from file: 635)**

DIALOG(R)File 635:Business Dateline(R)

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0683041 96-40268

**Symbol introduces high-speed, hands-free PDF417 scanner for industrial, office and workstation environments**

Picker, Doug

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 960318

WORD COUNT: 513

DATELINE: Bohemia, NY, US, Middle Atlantic

TEXT:

...the entire vertical area.

"Companies in a wide range of industries -- transportation and distribution logistics, **retailing**, health care and manufacturing --are capitalizing on PDF417 in their data management, and the LS...

...company designs, manufactures and markets bar code reading equipment, application-specific hand-held computers and **radio frequency** data communications **products** which are used as strategic building blocks in solutions in **retailing**, package and parcel delivery, manufacturing, warehousing and distribution, health care and other industries.

Photographs available...

**7/3,K/11 (Item 11 from file: 635)**

DIALOG(R)File 635:Business Dateline(R)

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0591811 95-47892

**Symbol Technologies names Satya Sharma senior vice president, management processes and quality improvement**

Tully, Nancy

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 950420

WORD COUNT: 345

DATELINE: Bohemia, NY, US

TEXT:

...installed. The Company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** that are used as strategic building blocks in information systems for **retail**, manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

7/3,K/12 (Item 12 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0541077 94-97894  
**Symbol Technologies introduces PCMCIA card for Spectrum One(R) wireless radio frequency network**  
Picker, Doug  
Business Wire (San Francisco, CA, US) s1 p1  
PUBL DATE: 941101  
WORD COUNT: 453  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in information systems for **retail**, manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

NOTE TO...

7/3,K/13 (Item 13 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0503383 94-57584  
**Symbol Technologies announces retirement of Ray Martino as president & COO and appoints Jan Lindelow his successor**  
Tully, Nancy  
Business Wire (San Francisco, CA, US) s1 p1  
PUBL DATE: 940614  
WORD COUNT: 449  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The Company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** that are used as strategic building blocks in information systems for **retail**, manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

7/3,K/14 (Item 14 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0461912 94-15090  
**Symbol Technologies announces hand-held pen computer with integrated bar code scanner, wireless data network**  
Picker, Doug

Business Wire (San Francisco, CA, US) sl pl

PUBL DATE: 940104

WORD COUNT: 910

DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in information systems for **retail**, manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

NOTE: Photos...

7/3,K/15 (Item 15 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0449784 94-02656

**Wal-Mart Stores Inc. selects Symbol Technologies as provider of hand-held bar code scanners**

Picker, Doug

PR Newswire (New York, NY, US) sl pl

PUBL DATE: 931112

WORD COUNT: 316

DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in technology systems for **retailing**, package and parcel delivery, manufacturing, warehousing and distribution, health care and other industries.

7/3,K/16 (Item 16 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0439166 93-91640

**Symbol Technologies announces The Nomad cordless hand-held scanner**

Picker, Doug

PR Newswire (New York, NY, US) sl pl

PUBL DATE: 931011

WORD COUNT: 438

DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** that are used as strategic building blocks in information systems for **retail**, package and parcel delivery, manufacturing, warehousing and distribution, healthcare and other industries.

7/3,K/17 (Item 17 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0435088 93-87488

**Symbol Technologies offers bar code-based solutions for computer associates  
PRMS users**

Picker, Doug  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 930927  
WORD COUNT: 409  
DATELINE: Bohemia, NY, US

**TEXT:**

...installed. The company designs, manufactures and markets bar code reading equipment, portable data computers and **radio frequency** data communications **products** which are used as strategic building blocks in technology systems for **retailing**, package and parcel delivery, manufacturing, warehousing and distribution, healthcare and other industries.

Computer Associates International...

**7/3,K/18 (Item 18 from file: 635)**

DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0402865 93-54473

**Symbol introduces PDT 3100 scanner-integrated terminal**

Picker, Doug  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 930608  
WORD COUNT: 455  
DATELINE: Bohemia, NY, US

**TEXT:**

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in information systems for **retail**, manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

**7/3,K/19 (Item 19 from file: 635)**

DIALOG(R)File 635:Business Dateline(R)  
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0384294 93-35377

**Symbol Technologies offers bar code-based solutions for Computer Associates  
Software**

Picker, Doug  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 930405  
WORD COUNT: 581  
DATELINE: Bohemia, NY, US

**TEXT:**

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in information systems for **retail**, manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

NOTE: All...



7/3,K/20 (Item 20 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0361433 93-11823

**Checkpoint Systems, Inc. introduces wide aisle detection for cost-conscious apparel retailers**

Laudisio, Glenda  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 930118  
WORD COUNT: 300  
DATELINE: Thorofare, NJ, US

TEXT:

...that can be activated and deactivated without contact, the company has more than 65,000 **retail** installations worldwide. Checkpoint's source tagging program, Impulse(SM), embeds its **RF** targets into **products** or **product** packaging at the manufacturing or distribution level.

/delval/

7/3,K/21 (Item 21 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0324863 92-73952

**Symbol Technologies Introduces Scanning System for Reading PD417 Two-Dimensional Symbology**

Tully, Nancy  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 920914  
WORD COUNT: 589  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in technology systems for **retailing**, package and parcel delivery, warehousing and distribution, manufacturing, healthcare and other industries.

7/3,K/22 (Item 22 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0316043 92-63899

**Toys 'R' Us Selects Symbol Technologies Spectrum One Network for Wireless Data Collection**

Picker, Doug  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 920811  
WORD COUNT: 305  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in

technology systems for **retail** , manufacturing, package and parcel delivery, warehousing and distribution, health care and other industries.

7/3,K/23 (Item 23 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0299823 92-46375  
**Symbol Technologies Introduces LaserTouch for Laser-Based Contact Scanning**  
Tully, Nancy  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 920616  
WORD COUNT: 562  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in technology systems for **retailing** , package and parcel delivery, warehousing and distribution, manufacturing, health care and other industries.

7/3,K/24 (Item 24 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0299809 92-46361  
**Symbol Technologies Introduces First Laser-Based Bar Code Verifier to Read Postal Service's Postnet**  
O'Conner, Sheila  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 920615  
WORD COUNT: 387  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in technology systems for **retailing** , package and parcel delivery, warehousing and distribution, manufacturing, healthcare and other industries.

7/3,K/25 (Item 25 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0290192 92-36633  
**Symbol Technologies and Computer Associates Announce Strategic Alliance to Develop Bar Code-Based Solutions for CA Software**  
Picker, Doug; Tully, Nancy; Gordon, Bob; Hayes, Rob  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 920504  
WORD COUNT: 441  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code

reading equipment, portable data terminals and **radio frequency** data communications **products** which are used as strategic building blocks in technology systems for **retailing**, package and parcel delivery, warehousing and distribution, manufacturing, health care and other industries.

Computer Associates...

7/3,K/26 (Item 26 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0283602 92-29977

**Symbol Announces Contract to Supply 10,500 Scanners and Terminals for United Parcel Service**

Picker, Doug; Tully, Nancy; Breuning, Tom  
PR Newswire (New York, NY, US) s1 p1  
PUBL DATE: 920408  
WORD COUNT: 320  
DATELINE: Bohemia, NY, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, hand-held computers and **radio frequency** data communications **products** which are used as strategic building blocks in data transaction systems for **retail**, manufacturing, warehousing and distribution, transportation and many other industries.

7/3,K/27 (Item 27 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0247127 91-71080

**Area's Top Performers Playing in Niches**

Parker, Marcia  
Crains New York Business (New York, NY, US), V7 N42 s1 p19  
PUBL DATE: 911021  
WORD COUNT: 1,413  
DATELINE: New York, NY, US

TEXT:

...I., company designs, manufacturers and sells bar, code reading equipment, hand held computer's and **radio frequency** data communications **products** to the **retailing**, manufacturing, distribution and transportation industries.

Symbol is now marketing products based on the newest technological...

7/3,K/28 (Item 28 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0167146 90-50372

**Andersen Consulting and Symbol Technologies Announce Strategic Alliance**

Calabrese, Jim; Morgan, Karen  
Business Wire (San Francisco, CA, US) s1 p1  
PUBL DATE: 900926  
WORD COUNT: 301  
DATELINE: Chicago, IL, US

TEXT:

...installed. The company designs, manufactures and markets bar code reading equipment, portable data terminals and **radio frequency** communications **products** which are used as strategic building blocks in data collection systems for **retail**, military, manufacturing, distribution, health care and many other applications.

Andersen Consulting has helped organizations apply...

7/3,K/29 (Item 29 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0154980 90-38119

**25 Fastest Growing Public Companies: Ranked by Percentage of Growth in Revenues**

Wood, Susan L.

Dallas Business Journal (Dallas, TX, US), V13 N47 s1 p12

PUBL DATE: 900723

WORD COUNT: 3

DATELINE: TX, US

TEXT:

...R. Corboy

BUSINESS DESCRIPTION:

Designs, manufacturers, markets and supports a line of hardware and software **products** and provides related services involving **radio frequency** electronic identification technology.

RANK:

3

FIRM:

URCARCO Inc.  
Forth Worth

PERCENTAGE OF GROWTH IN REVENUES...

...EXECUTIVE:

BUSINESS DESCRIPTION:

Clifton H. Morris, Jr.  
Operates a chain of 'we finance' used car **retail** lots in Fort Worth, Dallas, Austin, Texas, selling quality used cars and light trucks and...

...1987

YEAR WENT PUBLIC:

1989

CHIEF EXECUTIVE:

Ron G. Stegall

BUSINESS DESCRIPTION:

A fast growing **retail** chain of high-volume office products superstores.

RANK:

5

FIRM:

Heritage Media Corp  
Dallas

PERCENTAGE...FOUNDED:

1983

YEAR WENT PUBLIC:

1988

CHIEF EXECUTIVE:

James B. McCurry

BUSINESS DESCRIPTION:

Chain of **retail** stores specializing in the sale of home computer software.

RANK:

21

FIRM:

DeCorp Inc.

Dallas...

...PUBLIC: Not available or not applicable  
CHIEF EXECUTIVE: Michael Coit  
BUSINESS DESCRIPTION: Sells apparel to **retail** marketers.  
RANK: 22  
FIRM: AMRE Inc.  
Irving  
PERCENTAGE OF GROWTH IN REVENUES (FY 88 TO...

7/3,K/30 (Item 30 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0133848 90-16571  
**Intermec and Symbol Technologies Sign Licensing Agreement**  
Paxton, John; Swartz, Jerome; Greenberg, Mark; Soule, George  
Business Wire (San Francisco, CA, US) s1 p1  
PUBL DATE: 900403  
WORD COUNT: 418  
DATELINE: Bohemia, NY, US

TEXT:

...The company designs, manufactures and markets bar code reading equipment, portable data collection systems and **radio frequency** data communications **products** which are used as strategic building blocks in data collection systems in **retail**, military, manufacturing, distribution, health care and many other applications. Intermec Corporation is the original pioneer...

7/3,K/31 (Item 31 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0055905 88-13434  
**To Catch a Thief -- Checkpoint Has a Way**  
Armstrong, Michael W.  
Philadelphia Business Journal (Philadelphia, PA, US), V7 N8 s1 p1  
PUBL DATE: 880502  
WORD COUNT: 1,579  
DATELINE: Philadelphia, PA, US

TEXT:

...s agenda," Klein said.

The Thorofare, N.J., firm makes electronic article surveillance systems for **retail** stores and libraries. Its equipment uses radio transmissions to monitor the exits of **retail** stores for shoplifters. Tags that emit a **radio frequency** attached to the **merchandise** trip an alarm when someone tries to walk out without paying.

One analyst says Checkpoint...

7/3,K/32 (Item 1 from file: 476)  
DIALOG(R)File 476:Financial Times Fulltext  
(c) 2003 Financial Times Ltd. All rts. reserv.

0008565722 B0GJBACADFFT

**Survey - FT IT: Taking to the airwaves**

GEORGE BLACK

Financial Times, Survey London Edition 1 ED, P 8

Wednesday, October 2, 1996

DOCUMENT TYPE: Surveys; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 1,070

...the back room'.

Already around two-thirds of the top 20 per cent of US **retailers** in any **product** sector are installing **RF** networks and forecasters predict that this figure will reach 100 per cent within three years...

7/3,K/33 (Item 2 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2003 Financial Times Ltd. All rts. reserv.

0003501976 B06FKA9ACNFT

**Technology: Magnets Take Attraction Out Of Shoplifting / Electronic article surveillance**

PAUL TAYLOR

Financial Times, P 17

Tuesday, June 10, 1986

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 857

...out to customers.

The thread can also be inserted into hard tags - providing compatibility with **RF** soft **goods** EAS systems. While the Chameleon system has obvious attractions for high-value hard goods **retailers**, Mr Minasy also sees the low cost of the thread allowing supermarket owners, to 'target...

7/3,K/34 (Item 1 from file: 633)

DIALOG(R)File 633:Phil.Inquirer

(c) 2003 Philadelphia Newspapers Inc. All rts. reserv.

08819079

**BUSINESS NEWS IN BRIEF**

Philadelphia Inquirer (PI) - Thursday, November 14, 1996

Edition: SF Section: BUSINESS Page: D03

Word Count: 1,316

... as two electromagnetic systems for more than a year. Checkpoint Systems provides security systems for **retailers** worldwide, as well as radio frequency source tagging, in which paper-thin **RF** tags are embedded into **products** or product packaging.

PENN NATIONAL GAMING DECLARES STOCK SPLIT \* Penn National Gaming Inc., Wyomissing, said...

7/3,K/35 (Item 1 from file: 638)

DIALOG(R)File 638:Newsday/New York Newsday

(c) 2003 Newsday Inc. All rts. reserv.

10333068

**SMALL BUSINESS / Synergism, With Concrete Results / SSETechnologies, Symbol team up to paint the big picture**

Newsday (ND) - Monday November 29, 1999

By: Paul Schreiber



Edition: ALL EDITIONS Section: BUSINESS Page: C11  
Word Count: 1,137

...and NBTY Inc., the Bohemia manufacturer of vitamins and supplements for which SSE created a **radio - frequency** order fulfillment and **inventory** system. SSE is negotiating with a major **retailer** over a delivery verification system based on a pairing of Symbol's scanner and 3Com...

**7/3,K/36 (Item 2 from file: 638)**  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2003 Newsday Inc. All rts. reserv.

09234072  
**LONG ISLAND INC. / IBM to Market Products By Symbol Technologies**  
Newsday (ND) - Friday August 22, 1997  
By: James T. Madore; Dow Jones News Service  
Edition: NASSAU AND SUFFOLK Section: BUSINESS Page: A56  
Word Count: 494

... code-driven systems, such as bar code scanning equipment, application-specific hand-held computers and **radio frequency** data communications **products**, which are used in **retailing**, package and parcel delivery, warehousing and distribution, manufacturing, health care, and other industries.

IBM Global...

**7/3,K/37 (Item 3 from file: 638)**  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2003 Newsday Inc. All rts. reserv.

09034050  
**LI STOCKS / New Heights Seen for Symbol / New products to boost technology company's shares, analysts say.**  
Newsday (ND) - Monday February 3, 1997  
By: Susan Harrigan. STAFF WRITER  
Edition: NASSAU AND SUFFOLK Section: BUSINESS Page: C19  
Word Count: 554

...Technologies Inc.

Headquarters: Holtsville

CEO: Jerome Swartz

What it does: Manufactures bar code scanning equipment, **radio frequency** data communications **products** and portable data collection systems for the **retail**, distribution and health care industries, and for the military

Employees: 2,400, including about 1...

**7/3,K/38 (Item 4 from file: 638)**  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2003 Newsday Inc. All rts. reserv.

08792027  
**Earnings Beat Expectations / Symbol's profits at 55 cents per share for third quarter**  
Newsday (ND) - Friday October 18, 1996  
By: Richard J. Dalton Jr. STAFF WRITER  
Edition: NASSAU Section: BUSINESS Page: A63

Word Count: 251

TEXT:

... 2,800 employees worldwide, designs, manufactures and markets products including bar-code scanning equipment and **radio frequency** data communications **products**. The **products** are used in **retailing**, manufacturing and distribution.

7/3,K/39 (Item 1 from file: 640)

DIALOG(R)File 640:San Francisco Chronicle

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10007065

PERSONAL TECHNOLOGY DVD-ROM NO BLOCKBUSTER YET FEW TITLES AVAILABLE,  
COMPUTER KITS PRICEY

San Francisco Chronicle (SF) - THURSDAY, January 7, 1999

By: Henry Norr

Edition: FINAL Section: BUSINESS Page: B3

Word Count: 1,124

...in a location furnished for family relaxation.

To address this issue, I picked up a **product** called Wavecom Sr. from **RF** -Link Technology ([www.rflinktech.com](http://www.rflinktech.com)), a kit that includes a wireless transmitter for the PC...

... for your TV, plus a module that lets you control the show with your remote. **RF** -Link says the **product** 's typical **retail** price is \$179, but online stores sell it for as little as \$120.

Then came...

?ds

Set	Items	Description
S1	46	(INVENTORY OR INVENTORIES OR MERCHANDISE OR PRODUCT OR PRO- DUCTS OR ITEM? ? OR GOOD? ? OR STOCK) (5N) (RADIO() FREQUENC? OR RF OR RFID)
S2	2788	RETAIL? OR ESTORE? OR ESHOP? ? OR ERETAIL? OR E() (SHOP? ? - OR STORE? ? OR SHOPPE?) OR BRICK() MORTAR? OR BAM
S3	0	READER() INTERROGATOR?
S4	9	S1 AND S2
S5	4	S4 NOT PY>2001
S6	0	S1 AND INTERROGATOR?

5/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00135173 DOCUMENT TYPE: Review

PRODUCT NAMES: Technology Research (844837); AutoID (834211)

TITLE: the future is now: Science fiction meets reality in the quest for...

AUTHOR: Balfour, Gail

SOURCE: Computerworld Canada, v17 n22 p26(2) Nov 2, 2001

ISSN: 1484-9089

HOME PAGE: <http://www.lti.on.ca>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

The technologies for computerizing our environment, offering such things as refrigerators and cars that talk, are available now, and products capable of these things are already on the market. But, while people can appreciate the 'coolness' of such products, the products have not made much of an impact because there is no viable business model associated with them. However, radio frequency ( RF ) tags may soon change that. **Products** are now being inventoried using UPC symbols, but the same information could be incorporated into RF tags instead and could be put on every product that is for sale. The tags are cheap to produce, tiny, and can hold much more data than UPC symbols. RF tags can be incorporated onto food labels by **retailers** for inventory purposes, and once the tags were on all products, the possibilities of the type of data stored on them is endless. Everything in a house would have an RF tag on it, and all that is needed is an RF reader, making it possible for a refrigerator to check on its contents.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: AutoID; Barcoding; Electronics; Embedded Systems; RFID;  
Technology Research

REVISION DATE: 20020530

5/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00131335 DOCUMENT TYPE: Review

PRODUCT NAMES: AutoID (834211)

TITLE: The Fast Track: Radio-frequency devices promise to make it easier...

AUTHOR: Rosen, Cheryl

SOURCE: Information Week, v842 p22(3) Jun 18, 2001

ISSN: 8750-6874

HOME PAGE: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

A group of **retailers**, manufacturers, and vendors have joined together to test radio-frequency identification (RFID) technology that will make it possible to track inventory as it moves from point to point. Radio frequency chips can be embedded in any kind of inventory, and information can be written to the devices at any point in the supply chain. The chips will be able to transmit data to servers automatically. The radio waves

that are emitted from the devices can pass through packaging, making it possible to monitor the inventory without opening the box. In the store, a small RFID receiver would be able to track an item every time it is moved, then send that information via radio frequency to a local server.

**Retailers** could track when they are out of items of any kind and have their system order more.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: AutoID; Barcoding; Communications Standards; **Inventory** ;  
**RFID** ; Wireless Networks

REVISION DATE: 20020530

5/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

(c)2003 Info.Sources Inc. All rts. reserv.

00101614 DOCUMENT TYPE: Review

**PRODUCT NAMES: MOVE (557935)**

**TITLE: The Real-Time Warehouse**

AUTHOR: Mehta, Deepak Davies, John

SOURCE: ID Systems, v17 n3 p44(5) Mar 1997

ISSN: 0892-676X

HOME PAGE: <http://www.idsystems.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Optum Software's MOVE, a user-customizable warehouse management system (WMS), allows Merisel Computer Products to establish rules and procedures for its ad hoc operations. MOVE also allows the Fortune 500 company to react quickly to market changes, new technologies, and customer needs. The system is a client/server, real-time, paper-free solution that automates Merisel's complete warehousing systems. It interfaces with Merisel's mainframes and can also interface to Cambar Software and SAP R/3 enterprisewide platforms. Merisel uses an integrated system that allows customers to enter orders to its SellLine online ordering system or with a customer service representative. Staff can process all orders through an order management system and check a customer's credit if needed. Orders can be fulfilled the same day; about 70 percent of all orders require one-day turnaround. Accuracy rates continue to go up, and some warehouses have 100 percent accuracy when computed weekly. **RF** terminals are used to receive **product** data about vendor shipments, customer returns, and branch transfers. Putaway locations are determined by the system to ensure that areas closest to the forward pick areas are filled up first, a method that reduces the amount of product replenishment work needed and makes as much inventory as possible available in forward pick locations.

COMPANY NAME: Optum Inc (559547)

SPECIAL FEATURE: Charts

DESCRIPTORS: AutoID; Client/server; Computer Equipment; Network Software;  
Order Fulfillment; Real Time Data Acquisition; **Retailers** ; Warehouse  
Management

REVISION DATE: 20020630

5/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

(c)2003 Info.Sources Inc. All rts. reserv.

00076978 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--STORIS Management Systems (860361)

TITLE: STORIS Carves a Niche in 'Big Ticket' Retail

AUTHOR: Earle, Karen

SOURCE: International Spectrum, p26(4) Mar/Apr 1995

ISSN: 1050-9070

HOME PAGE: <http://www.intl-spectrum.com/spectrum>

RECORD TYPE: Review

REVIEW TYPE: Company

STORIS Management Systems, the vendor of a complete automated business solution, sells to **retailers** of higher-priced items such as furniture, appliances, and electronics. STORIS has strong, long-term relationships with customers, providing them with ingenious products and good support. STORIS is a PICK-based product that offers many features that help users generate new business and increase profits. It employs bar coding for faster data collection and **radio frequency** transmission supporting **inventory** updates. STORIS makes it easy for salespersons to quickly find stock, respond faster to customer requirements, and process orders. The included Executive Information System allows users to create customized reports with templates or a user-friendly query tool. The EIS can also send data to Windows programs. Multinational language support is planned for the near future.

COMPANY NAME: STORIS Management Systems (604534)

SPECIAL FEATURE: Charts

DESCRIPTORS: Barcoding; EIS (Executive Information Systems); Furniture & Appliances; PICK; **Retailers** ; Software Marketing; Wireless Networks

REVISION DATE: 20020703

?



File 344:Chinese Patents Abs Aug 1985-2002/Dec  
 (c) 2003 European Patent Office  
 File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)  
 (c) 2003 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2002/UD,UM &UP=200303  
 (c) 2003 Thomson Derwent  
 File 348:EUROPEAN PATENTS 1978-2003/Jan W03  
 (c) 2003 European Patent Office  
 File 349:PCT FULLTEXT 1979-2002/UB=20030116,UT=20030109  
 (c) 2003 WIPO/Univentio

?ds

Set	Items	Description
S1	7	AU='CROVITZ':AU='CROVITZ MICHAEL'
S2	3	S1 AND RADIO?
S3	8	AU='CAN N':AU='CAN S'
S4	3	S3 AND RADIO?
S5	10	AU='TURNER DEBBI M':AU='TURNER DENISE A'
S6	2	S5 AND RADIO?
S7	12	AU='WHITLEY RAYFORD K':AU='WHITLEY ROGER A'
S8	4	S7 AND RADIO?

2/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014551191 \*\*Image available\*\*  
WPI Acc No: 2002-371894/200240  
XRPX Acc No: N02-290634

**Inventory determination system for supply chain of retail organizations,  
has reader that interrogates RFID tag on merchandise, to retrieve  
information related to RFID tag**

Patent Assignee: CAN N (CANN-I); CROVITZ C K (CROV-I); GAP INC (GAPG-N);  
TURNER D M (TURN-I); WHITLEY R K (WHIT-I)

Inventor: CAN N; **CROVITZ C K**; TURNER D M; WHITLEY R K

Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200221424	A2	20020314	WO 2001US27372	A	20010904	200240 B
US 20020038267	A1	20020328	US 2000229599	A	20000905	200240
			US 2001944383	A	20010904	
AU 200188678	A	20020322	AU 200188678	A	20010904	200251

Priority Applications (No Type Date): US 2000229599 P 20000905; US  
2001944383 A 20010904

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200221424	A2	E	46	G06K-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA

CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP

KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL

PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020038267	A1			G06F-017/60	Provisional application US 2000229599
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AU 200188678	A			G06K-000/00	Based on patent WO 200221424
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...Inventor: **CROVITZ C K**

Abstract (Basic):

... A fixture is adapted to hold respective collection of  
merchandise comprising items with associated **radio** frequency  
identification (RFID) tags. The fixture is capable of sensing whether  
the item is properly...

... b) **Radio** frequency identification system...

...c) **Radio** frequency identification method...

2/3,K/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01427806

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

PATENT ASSIGNEE:

Gap Inc., (4051250), One Harrison Street, San Francisco, CA 94105, (US),  
(Applicant designated States: all)

Can, Necmettin, (4051260), 755 Twillight Drive, Crescent Springs, KY  
41017, (US), (Applicant designated States: all)

Crovitz, Charles K., (4051270), 115 Crane Terrace, Orinda, CA 94563, (US)  
, (Applicant designated States: all)

Turner, Debbi M., (4051290), 1505 Jennifer Street, Springdale, AK 72762,

(US), (Applicant designated States: all)  
Whitley, Rayford K., (4051310), 350 Union Street, 504, San Francisco, CA  
94133, (US), (Applicant designated States: all)

INVENTOR:

CAN, Necmettin, 755 Twillight Drive, Crescent Springs, KY 41017, (US)  
CROVITZ, Charles, K., 115 Crane Terrace, Orinda, CA 94563, (US)  
TURNER, Debbi, M., 1505 Jennifer Street, Springdale, AK 72762, (US)  
WHITLEY, Rayford, K., 350 Union Street, 504, San Francisco, CA 94133,  
(US)

PATENT (CC, No, Kind, Date):

WO 200221424 020314

APPLICATION (CC, No, Date): EP 2001968429 010904; WO 2001US27372 010904

PRIORITY (CC, No, Date): US 229599 P 000905

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06K-001/00

LANGUAGE (Publication,Procedural,Application): English; English; English

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS

SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

INVENTOR:

... US)

CROVITZ, Charles, K...

2/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00887232 \*\*Image available\*\*

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS

SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

Patent Applicant/Assignee:

GAP INC, One Harrison Street, San Francisco, CA 94105, US, US (Residence)  
, US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

CAN Necmettin, 755 Twillight Drive, Crescent Springs, KY 41017, US, US  
(Residence), US (Nationality)

CROVITZ Charles K, 115 Crane Terrace, Orinda, CA 94563, US, US  
(Residence), US (Nationality)

TURNER Debbi M, 1505 Jennifer Street, Springdale, AK 72762, US, US  
(Residence), US (Nationality)

WHITLEY Rayford K, 350 Union Street, #504, San Francisco, CA 94133, US,  
US (Residence), US (Nationality)

Legal Representative:

BEDNAREK Michael D (et al) (agent), Shaw Pittman, 1650 Tysons Boulevard,  
McLean, VA 22102, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200221424 A2 20020314 (WO 0221424)

Application: WO 2001US27372 20010904 (PCT/WO US0127372)

Priority Application: US 2000229599 20000905

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English  
Fulltext Word Count: 9624

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS

SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

Patent Applicant/Inventor:

... US (Nationality)  
CROVITZ Charles K...

Fulltext Availability:

Detailed Description

Claims

Detailed Description

SYSTEM AND METHOD FOR USING RADIO FREQUENCY  
IDENTIFICATION IN RETAIL OPERATIONS

[0001] This application claims the benefit of U.S. Provisional...

...entirety.

BACKGROUND

Field of the Invention

[0002] The present invention relates to the use of **radio** frequency  
identification (RFID) in retail operations. In particular, the present  
invention relates to systems and...

...of processes within the supply chain of a retail organization.

Background of the Invention

[0003] **Radio** frequency identification (RFID) is a technology that uses  
**radio** frequency waves to transfer data between a reader and a moveable  
item. Figure 1 shows...

...computer. As shown, the antenna  
captures the tag ID number, the reader then interprets the **radio**  
frequency into digital information and the host is a software database.

[0004] In RFID systems...

...the present invention can use the  
various forms of RFID technology currently available for using **radio**  
frequency waves to transfer data between a reader and a moveable item.

Since the technology...both an antenna for capturing signals from the  
tags and a "reader" that  
interprets the **radio** frequency into digital information. The "tag  
reader" should also include a transmitter if the tag...and others.

[0040] As used herein, RFID refers to an automatic identification  
technology that uses **radio** frequency waves to transfer data between a  
reader and a tag. As the tag enters the **Radio** Frequency (RF) field, the  
RIT

signal powers the tag, or turns it on. The tag...

...and

data that has been programmed to the reader. RFID tag readers  
(Interrogators) translate the **radio** frequency information into digital  
information that can be read by software on the host computer...

Claim

... related to those tags in order to determine available inventory.

19 A system for using **radio** frequency identification (RFID) in a supply  
chain of  
a retail operation organization, the system comprising...

...system used for inventory and a system used for logistics.

21 A method for using **radio** frequency identification (RFID) in retail operations, the method comprising the steps of.  
associating an RFID...store inventory system, whereby continuous inventory counts can be performed.

32 The method for using **radio** frequency identification in retail operations according to Claim 21, further comprising the step of comparing...

4/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014551191 \*\*Image available\*\*  
WPI Acc No: 2002-371894/200240  
XRPX Acc No: N02-290634

**Inventory determination system for supply chain of retail organizations,  
has reader that interrogates RFID tag on merchandise, to retrieve  
information related to RFID tag**

Patent Assignee: CAN N (CANN-I); CROVITZ C K (CROV-I); GAP INC (GAPG-N);  
TURNER D M (TURN-I); WHITLEY R K (WHIT-I)

Inventor: **CAN N** ; CROVITZ C K; TURNER D M; WHITLEY R K

Number of Countries: 095 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200221424	A2	20020314	WO 2001US27372	A	20010904	200240 B
US 20020038267	A1	20020328	US 2000229599	A	20000905	200240
			US 2001944383	A	20010904	
AU 200188678	A	20020322	AU 200188678	A	20010904	200251

Priority Applications (No Type Date): US 2000229599 P 20000905; US  
2001944383 A 20010904

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200221424 A2 E 46 G06K-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020038267 A1 G06F-017/60 Provisional application US 2000229599

AU 200188678 A G06K-000/00 Based on patent WO 200221424

Inventor: **CAN N** ...

Abstract (Basic):

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merchandise comprising items with associated **radio** frequency  
identification (RFID) tags. The fixture is capable of sensing whether  
the item is properly...

... b) **Radio** frequency identification system...

...c) **Radio** frequency identification method...

4/3,K/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01427806

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

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(Applicant designated States: all)

Can, Necmettin, (4051260), 755 Twillight Drive, Crescent Springs, KY  
41017, (US), (Applicant designated States: all)

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(US), (Applicant designated States: all)  
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 INVENTOR:  
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 CROVITZ, Charles, K., 115 Crane Terrace, Orinda, CA 94563, (US)  
 TURNER, Debbi, M., 1505 Jennifer Street, Springdale, AK 72762, (US)  
 WHITLEY, Rayford, K., 350 Union Street, 504, San Francisco, CA 94133,  
 (US)  
 PATENT (CC, No, Kind, Date):  
 WO 200221424 020314  
 APPLICATION (CC, No, Date): EP 2001968429 010904; WO 2001US27372 010904  
 PRIORITY (CC, No, Date): US 229599 P 000905  
 DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
 LU; MC; NL; PT; SE; TR  
 EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
 INTERNATIONAL PATENT CLASS: G06K-001/00  
 LANGUAGE (Publication,Procedural,Application): English; English; English  
**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
 OPERATIONS**  
**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
 DES COMMERCE DE DETAIL**  
 INVENTOR:  
**CAN, Necmettin** ...

4/3,K/3 (Item 1 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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00887232 \*\*Image available\*\*  
**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
 OPERATIONS**  
**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
 DES COMMERCE DE DETAIL**  
 Patent Applicant/Assignee:  
 GAP INC, One Harrison Street, San Francisco, CA 94105, US, US (Residence)  
 , US (Nationality), (For all designated states except: US)  
 Patent Applicant/Inventor:  
**CAN Necmettin** , 755 Twillight Drive, Crescent Springs, KY 41017, US, US  
 (Residence), US (Nationality)  
 CROVITZ Charles K, 115 Crane Terrace, Orinda, CA 94563, US, US  
 (Residence), US (Nationality)  
 TURNER Debbi M, 1505 Jennifer Street, Springdale, AK 72762, US, US  
 (Residence), US (Nationality)  
 WHITLEY Rayford K, 350 Union Street, #504, San Francisco, CA 94133, US,  
 US (Residence), US (Nationality)  
 Legal Representative:  
 BEDNAREK Michael D (et al) (agent), Shaw Pittman, 1650 Tysons Boulevard,  
 McLean, VA 22102, US,  
 Patent and Priority Information (Country, Number, Date):  
 Patent: WO 200221424 A2 20020314 (WO 0221424)  
 Application: WO 2001US27372 20010904 (PCT/WO US0127372)  
 Priority Application: US 2000229599 20000905  
 Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
 DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
 LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE  
 SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM  
 Publication Language: English  
 Filing Language: English

Fulltext Word Count: 9624

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS  
SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

Patent Applicant/Inventor:

CAN Necmettin ...

Fulltext Availability:

Detailed Description

Claims

Detailed Description

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IDENTIFICATION IN RETAIL OPERATIONS

[0001] This application claims the benefit of U.S. Provisional...

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tags and a "reader" that  
interprets the **radio** frequency into digital information. The "tag  
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[0040] As used herein, RFID refers to an automatic identification  
technology that uses **radio** frequency waves to transfer data between a  
reader and a tag. As the tag enters the **Radio** Frequency (RF) field, the  
RIT  
signal powers the tag, or turns it on. The tag...

...and

data that has been programmed to the reader. RFID tag readers  
(Interrogators) translate the **radio** frequency information into digital  
information that can be read by software on the host computer...

Claim

... related to those tags in order to determine available inventory.

19 A system for using **radio** frequency identification (RFID) in a supply  
chain of  
a retail operation organization, the system comprising...

...system used for inventory and a system used for logistics.

21 A method for using **radio** frequency identification (RFID) in retail operations, the method comprising the steps of.  
associating an RFID...store inventory system, whereby continuous inventory counts can be performed.

32 The method for using **radio** frequency identification in retail operations according to Claim 21, further comprising the step of comparing...

6/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01427806

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS  
SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

PATENT ASSIGNEE:

Gap Inc., (4051250), One Harrison Street, San Francisco, CA 94105, (US),  
(Applicant designated States: all)  
Can, Necmettin, (4051260), 755 Twillight Drive, Crescent Springs, KY  
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Crovitz, Charles K., (4051270), 115 Crane Terrace, Orinda, CA 94563, (US)  
, (Applicant designated States: all)  
Turner, Debbi M., (4051290), 1505 Jennifer Street, Springdale, AK 72762,  
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Whitley, Rayford K., (4051310), 350 Union Street, 504, San Francisco, CA  
94133, (US), (Applicant designated States: all)

INVENTOR:

CAN, Necmettin, 755 Twillight Drive, Crescent Springs, KY 41017, (US)  
CROVITZ, Charles, K., 115 Crane Terrace, Orinda, CA 94563, (US)  
TURNER, Debbi, M., 1505 Jennifer Street, Springdale, AK 72762, (US)  
WHITLEY, Rayford, K., 350 Union Street, 504, San Francisco, CA 94133,  
(US)

PATENT (CC, No, Kind, Date):

WO 200221424 020314

APPLICATION (CC, No, Date): EP 2001968429 010904; WO 2001US27372 010904

PRIORITY (CC, No, Date): US 229599 P 000905

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06K-001/00

LANGUAGE (Publication,Procedural,Application): English; English; English

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS  
SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

INVENTOR:

... US)

TURNER, Debbi, M ...

6/3,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00887232 \*\*Image available\*\*

SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS  
SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL

Patent Applicant/Assignee:

GAP INC, One Harrison Street, San Francisco, CA 94105, US, US (Residence)  
, US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

CAN Necmettin, 755 Twillight Drive, Crescent Springs, KY 41017, US, US  
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CROVITZ Charles K, 115 Crane Terrace, Orinda, CA 94563, US, US  
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TURNER Debbi M , 1505 Jennifer Street, Springdale, AK 72762, US, US  
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WHITLEY Rayford K, 350 Union Street, #504, San Francisco, CA 94133, US,  
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Legal Representative:  
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McLean, VA 22102, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200221424 A2 20020314 (WO 0221424)  
Application: WO 2001US27372 20010904 (PCT/WO US0127372)  
Priority Application: US 2000229599 20000905  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 9624

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

Patent Applicant/Inventor:

... US (Nationality)

**TURNER Debbi M** ...

Fulltext Availability:

Detailed Description

Claims

Detailed Description

SYSTEM AND METHOD FOR USING **RADIO** FREQUENCY  
IDENTIFICATION IN RETAIL OPERATIONS

[0001] This application claims the benefit of U.S. Provisional...

...entirety.

**BACKGROUND**

Field of the Invention

[0002] The present invention relates to the use of **radio** frequency  
identification (RFID) in retail operations. In particular, the present  
invention relates to systems and...

...of processes within the supply chain of a retail organization.

Background of the Invention

[0003] **Radio** frequency identification (RFID) is a technology that uses  
**radio** frequency waves to transfer data between a reader and a moveable  
item. Figure 1 shows...

...computer. As shown, the antenna  
captures the tag ID number, the reader then interprets the **radio**  
frequency into digital information and the host is a software database.

[0004] In RFID systems...

...the present invention can use the  
various forms of RFID technology currently available for using **radio**  
frequency waves to transfer data between a reader and a moveable item.

Since the technology...both an antenna for capturing signals from the  
tags and a "reader" that  
interprets the **radio** frequency into digital information. The "tag

reader" should also include a transmitter if the tag...and others.

[0040] As used herein, RFID refers to an automatic identification technology that uses **radio** frequency waves to transfer data between a reader and a tag. As the tag enters the **Radio** Frequency (RF) field, the RIT signal powers the tag, or turns it on. The tag...

...and data that has been programmed to the reader. RFID tag readers (Interrogators) translate the **radio** frequency information into digital information that can be read by software on the host computer...

#### Claim

... related to those tags in order to determine available inventory.

19 A system for using **radio** frequency identification (RFID) in a supply chain of a retail operation organization, the system comprising...

...system used for inventory and a system used for logistics.

21 A method for using **radio** frequency identification (RFID) in retail operations, the method comprising the steps of:  
associating an RFID...store inventory system, whereby continuous inventory counts can be performed.

32 The method for using **radio** frequency identification in retail operations according to Claim 21, further comprising the step of comparing...



8/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00298551

**PEPTIDE INHIBITORS OF CXC INTERCRINE MOLECULES**  
**INHIBITEURS PEPTIDIQUES DE MOLECULES DE LA FAMILLE DES INTERCRINES CXC**

Patent Applicant/Assignee:

BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM,  
COHEN Allen Barry,  
MILLER Edmund J,  
HAYASHI Shinichiro,  
KURDOWSKA Anna K,  
TUTTLE Ronald R,

Inventor(s):

COHEN Allen Barry,  
MILLER Edmund J,  
HAYASHI Shinichiro,  
KURDOWSKA Anna K,  
TUTTLE Ronald R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9516702 A1 19950622  
Application: WO 93US12245 19931215 (PCT/WO US9312245)  
Priority Application: WO 93US12245 19931215

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ  
LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US UZ VN AT BE CH DE  
DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN  
TD TG

Publication Language: English  
Fulltext Word Count: 23420

Fulltext Availability:  
Detailed Description

Detailed Description

... Ac-RRWWCX (SEQ ID NO:23) Inhibits Binding of  
GRO and MIP20 to human neutrophils. **Radioiodinated** MIP20  
and GRO/MGSA were mixed with various concentration of  
Ac-RRWWCR-NH2 and incubated...

...was added to 40Al of the  
mixture and incubated for 90 minutes on ice. The  
**radioactivity** bound to the cells was separated from free  
**radioactivity** by centrifugation through an oil layer.

The % binding inhibition was calculated as follows.  
binding inhibition 1-- B - 1VSP x 100  
T-NSP

where B is bound **radioactivity** in the presence of the  
peptide, T is bound **radioactivity** in the absence of the  
peptide, and NSP is bound **radioactivity** in the presence  
of excess nonlabelled ligand.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS  
CXC Intercrines...AM peptide, then added to neutrophils  
and incubated at 40C for 90 min. The bound **radioactivity**  
was separated from unbound by centrifugation through a  
dense cushion of a mixture of paraffin...Assays  
Recombinant human IL-8 -(72 amino acids; Pepro Tech  
Inc., Rocky Hill, NJ) was **radioactively** labeled with @25  
by the chloramine T method of Hunter and Greenwood  
(Hunter.& Greenwood, 1962...4  
Recombinant human fifth component of complement  
(C5a) (Sigma Chemical Co., St. Louis, MO) was  
**radioiodinated** enzymatically using Enzymobead (Bio Rad,

Richmond, CA). Tritiated leukotriene B 4 was purchased from Du...

...pH7.3), respectively, as previously described (Braunwalder et al., 1992; Sherman et al., 1988). The **radioactivity** was measured with liquid scintillation counter-for the leukotriene B4 assay. The binding of both...

...the tubes were centr-'...-fuged at 300xg for 7 min at 40C and is the **radioactivity** in the supernatant was then counted in a gamma radiation spectrometer. Triplicate tubes containing buffer...effectively inhibits GRO and MIP20 binding to human neutrophils.

-63

MIP20 and GRO/MGSA were **radioiodinated** using Bolten Hunter reagent. The **radioiodinated** components were mixed with various concentration of the Ac-RRWWCX-NH2 (SEQ ID NO:23...

...was added to 40A1 of the mixture and incubated for 90 minutes on ice. The **radioactivity** bound to the cells was separated from free **radioactivity** by centrifugation through an oil layer. The bound **radioactivity** is an indication of bound CXC intercrine peptide. The % binding inhibition in the presence of...

...as follows.

B-NSP @x 100

binding inhibition 1

T-NSP

where B is bound **radioactivity** in the presence of the peptide, T is bound **radioactivity** in the absence of the peptide, and NSP is bound **radioactivity** in the presence of excess nonlabelled ligand.

In these studies, it was confirmed that Ac...availability and half lives of the peptides administered in various ways may be determined using **radioactively** labeled peptides and examining their longevity and tissue distribution. If further stability enhancement was desired...

...time-matched controls, ideally be performed in the same animal. At least 4 replicates-for **e7ach** experimental arm are recommended.

B. IL-8 Inhibitor Treatment of ARDS

The best human model...doses.for use

in impeding these neutrophil functions. In these studies, various intravenous doses of **radioactively** labelled peptides will be administered initially. Plasma concentrations and forms of the **radioactivity** will then be determined. From these data, plasma clearance, half life and steady state volume...

8/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01427806

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

**PATENT ASSIGNEE:**

Gap Inc., (4051250), One Harrison Street, San Francisco, CA 94105, (US),  
(Applicant designated States: all)  
Can, Necmettin, (4051260), 755 Twillight Drive, Crescent Springs, KY  
41017, (US), (Applicant designated States: all)  
Crovitz, Charles K., (4051270), 115 Crane Terrace, Orinda, CA 94563, (US)  
, (Applicant designated States: all)  
Turner, Debbi M., (4051290), 1505 Jennifer Street, Springdale, AK 72762,  
(US), (Applicant designated States: all)  
Whitley, Rayford K., (4051310), 350 Union Street, 504, San Francisco, CA  
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**INVENTOR:**

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CROVITZ, Charles, K., 115 Crane Terrace, Orinda, CA 94563, (US)  
TURNER, Debbi, M., 1505 Jennifer Street, Springdale, AK 72762, (US)  
**WHITLEY, Rayford, K.**, 350 Union Street, 504, San Francisco, CA 94133,  
(US)

PATENT (CC, No, Kind, Date):

WO 200221424 020314

APPLICATION (CC, No, Date): EP 2001968429 010904; WO 2001US27372 010904

PRIORITY (CC, No, Date): US 229599 P 000905

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06K-001/00

LANGUAGE (Publication,Procedural,Application): English; English; English

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

**INVENTOR:**

... US)

**WHITLEY, Rayford, K** ...

8/3,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00887232 \*\*Image available\*\*

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**

**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

**Patent Applicant/Assignee:**

GAP INC, One Harrison Street, San Francisco, CA 94105, US, US (Residence)  
, US (Nationality), (For all designated states except: US)

**Patent Applicant/Inventor:**

CAN Necmettin, 755 Twillight Drive, Crescent Springs, KY 41017, US, US  
(Residence), US (Nationality)

CROVITZ Charles K, 115 Crane Terrace, Orinda, CA 94563, US, US  
(Residence), US (Nationality)

TURNER Debbi M, 1505 Jennifer Street, Springdale, AK 72762, US, US  
(Residence), US (Nationality)

**WHITLEY Rayford K**, 350 Union Street, #504, San Francisco, CA 94133, US,

US (Residence), US (Nationality)  
Legal Representative:  
BEDNAREK Michael D (et al) (agent), Shaw Pittman, 1650 Tysons Boulevard,  
McLean, VA 22102, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200221424 A2 20020314 (WO 0221424)  
Application: WO 2001US27372 20010904 (PCT/WO US0127372)  
Priority Application: US 2000229599 20000905  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 9624

**SYSTEM AND METHOD FOR USING RADIO FREQUENCY IDENTIFICATION IN RETAIL  
OPERATIONS**  
**SYSTEME ET PROCEDE D'UTILISATION DE L'IDENTIFICATION RADIOFREQUENCE DANS  
DES COMMERCE DE DETAIL**

Patent Applicant/Inventor:

... US (Nationality)

**WHITLEY Rayford K ...**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

SYSTEM AND METHOD FOR USING **RADIO** FREQUENCY  
IDENTIFICATION IN RETAIL OPERATIONS

[0001] This application claims the benefit of U.S. Provisional...

...entirety.

**BACKGROUND**

Field of the Invention

[0002] The present invention relates to the use of **radio** frequency  
identification (RFID) in retail operations. In particular, the present  
invention relates to systems and...

...of processes within the supply chain of a retail organization.

Background of the Invention

[0003] **Radio** frequency identification (RFID) is a technology that uses  
**radio** frequency waves to transfer data between a reader and a moveable  
item. Figure 1 shows...

...computer. As shown, the antenna  
captures the tag ID number, the reader then interprets the **radio**  
frequency into digital information and the host is a software database.

[0004] In RFID systems...

...the present invention can use the  
various forms of RFID technology currently available for using **radio**  
frequency waves to transfer data between a reader and a moveable item.

Since the technology...both an antenna for capturing signals from the  
tags and a "reader" that  
interprets the **radio** frequency into digital information. The "tag  
reader" should also include a transmitter if the tag...and others.

[0040] As used herein, RFID refers to an automatic identification technology that uses **radio** frequency waves to transfer data between a reader and a tag. As the tag enters the **Radio** Frequency (RF) field, the RIT signal powers the tag, or turns it on. The tag...  
...and data that has been programmed to the reader. RFID tag readers (Interrogators) translate the **radio** frequency information into digital information that can be read by software on the host computer...

Claim

... related to those tags in order to determine available inventory.

19 A system for using **radio** frequency identification (RFID) in a supply chain of a retail operation organization, the system comprising...

...system used for inventory and a system used for logistics.

21 A method for using **radio** frequency identification (RFID) in retail operations, the method comprising the steps of associating an RFID...store inventory system, whereby continuous inventory counts can be performed.

32 The method for using **radio** frequency identification in retail operations according to Claim 21, further comprising the step of comparing...

8/3,K/3 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00541728 \*\*Image available\*\*

**CARGO RETENTION SYSTEM**  
**SYSTEME DE RETENUE DE CHARGES**

Patent Applicant/Assignee:

JOHNSON CONTROLS TECHNOLOGY COMPANY,

Inventor(s):

COLE Joanne H,  
LARSEN Lance E,  
BUSH Neil J,  
CAYE Mark A,  
HAUPT Gregory A,  
JUDY Benjamin R,  
KOESTER Daniel J,  
SPYKERMAN David J,  
**WHITLEY Roger A** ,  
ZIMMERMANN Detlef,  
LEFEVRE James P

Patent and Priority Information (Country, Number, Date):

Patent: WO 200005101 A1 20000203 (WO 0005101)

Application: WO 99US16608 19990721 (PCT/WO US9916608)

Priority Application: US 9893552 19980721

Designated States: BR JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE

Publication Language: English  
Fulltext Word Count: 3973

Inventor(s):

... **WHITLEY Roger A**

Fulltext Availability:

Detailed Description

. Detailed Description  
... portion 24 to facilitate the supply of power to an electrical  
appliance such as a **radio** , a child's toy, a television or other  
entertainment device. One skilled in the art...

8/3,K/4 (Item 3 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00541724 \*\*Image available\*\*

FLOOR MOUNTED RETENTION SYSTEM  
SYSTEME DE RETENUE MONTE SUR LE PLANCHER

Patent Applicant/Assignee:

JOHNSON CONTROLS TECHNOLOGY COMPANY,

Inventor(s):

LARSEN Lance E,  
COLE Joanne H,  
BUSH Neil J,  
CAYE Mark A,  
HAUPT Gregory A,  
JUDY Benjamin R,  
KOESTER Daniel J,  
SPYKERMAN David J,  
**WHITLEY Roger A** ,  
ZIMMERMANN Detlef

Patent and Priority Information (Country, Number, Date):

Patent: WO 200005097 A2 20000203 (WO 0005097)

Application: WO 99US16609 19990721 (PCT/WO US9916609)

Priority Application: US 9893552 19980721

Designated States: BR JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE

Publication Language: English  
Fulltext Word Count: 3955

Inventor(s):

... **WHITLEY Roger A**  
Fulltext Availability:  
Detailed Description

Detailed Description

... floor link 16. In order to supply power to an electrical appliance  
such as a **radio** , a cooler, a child's toy, a television or other  
entertainment device, a male power...

?



File 344:Chinese Patents Abs Aug 1985-2002/Dec  
 (c) 2003 European Patent Office  
 File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)  
 (c) 2003 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2002/UD,UM &UP=200303  
 (c) 2003 Thomson Derwent  
 File 348:EUROPEAN PATENTS 1978-2003/Jan W03  
 (c) 2003 European Patent Office  
 File 349:PCT FULLTEXT 1979-2002/UB=20030116,UT=20030109  
 (c) 2003 WIPO/Univentio  
 File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Dec  
 (c)2003 Info.Sources Inc  
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 (c) 2003 Institution of Electrical Engineers  
 File 35:Dissertation Abs Online 1861-2003/Dec  
 (c) 2003 ProQuest Info&Learning  
 File 65:Inside Conferences 1993-2003/Jan W3  
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 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Dec  
 (c) 2003 The HW Wilson Co.  
 File 233:Internet & Personal Comp. Abs. 1981-2003/Jan  
 (c) 2003 Info. Today Inc.  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
 (c) 2002 The Gale Group  
 File 474:New York Times Abs 1969-2003/Jan 20  
 (c) 2003 The New York Times  
 File 475:Wall Street Journal Abs 1973-2003/Jan 17  
 (c) 2003 The New York Times  
 File 16:Gale Group PROMT(R) 1990-2003/Jan 20  
 (c) 2003 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2003/Jan 17  
 (c)2003 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2003/Jan 20  
 (c) 2003 The Gale Group  
 File 621:Gale Group New Prod. Annou. (R) 1985-2003/Jan 17  
 (c) 2003 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 20  
 (c) 2003 The Gale Group  
 File 9:Business & Industry(R) Jul/1994-2003/Jan 17  
 (c) 2003 Resp. DB Svcs.  
 File 15:ABI/Inform(R) 1971-2003/Jan 18  
 (c) 2003 ProQuest Info&Learning  
 File 20:Dialog Global Reporter 1997-2003/Jan 21  
 (c) 2003 The Dialog Corp.  
 File 95:TEME-Technology & Management 1989-2003/Jan W1  
 (c) 2003 FIZ TECHNIK  
 File 476:Financial Times Fulltext 1982-2003/Jan 21  
 (c) 2003 Financial Times Ltd  
 File 610:Business Wire 1999-2003/Jan 20  
 (c) 2003 Business Wire.  
 File 613:PR Newswire 1999-2003/Jan 21  
 (c) 2003 PR Newswire Association Inc  
 File 624:McGraw-Hill Publications 1985-2003/Jan 20  
 (c) 2003 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2003/Jan 19  
 (c) 2003 San Jose Mercury News  
 File 810:Business Wire 1986-1999/Feb 28  
 (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
 (c) 1999 PR Newswire Association Inc  
 File 47:Gale Group Magazine DB(TM) 1959-2003/Jan 15  
 (c) 2003 The Gale group  
 File 570:Gale Group MARS(R) 1984-2003/Jan 20

(c) 2003 The Gale Group  
File 635:Business Dateline(R) 1985-2003/Jan 18  
(c) 2003 ProQuest Info&Learning  
File 477:Irish Times 1999-2003/Jan 20  
(c) 2003 Irish Times  
File 710:Times/Sun.Times(London) Jun 1988-2003/Jan 21  
(c) 2003 Times Newspapers  
File 711:Independent(London) Sep 1988-2003/Jan 20  
(c) 2003 Newspaper Publ. PLC  
File 756:Daily/Sunday Telegraph 2000-2003/Jan 21  
(c) 2003 Telegraph Group  
File 757:Mirror Publications/Independent Newspapers 2000-2003/Jan 21  
(c) 2003  
File 387:The Denver Post 1994-2003/Jan 17  
(c) 2003 Denver Post  
File 471:New York Times Fulltext 90-Day 2003/Jan 21  
(c) 2003 The New York Times  
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers  
File 494:St LouisPost-Dispatch 1988-2003/Jan 20  
(c) 2003 St Louis Post-Dispatch  
File 498:Detroit Free Press 1987-2003/Jan 17  
(c) 2003 Detroit Free Press Inc.  
File 631:Boston Globe 1980-2003/Jan 19  
(c) 2003 Boston Globe  
File 633:Phil.Inquirer 1983-2003/Jan 20  
(c) 2003 Philadelphia Newspapers Inc  
File 638:Newsday/New York Newsday 1987-2003/Jan 20  
(c) 2003 Newsday Inc.  
File 640:San Francisco Chronicle 1988-2003/Jan 20  
(c) 2003 Chronicle Publ. Co.  
File 641:Rocky Mountain News Jun 1989-2003/Jan 17  
(c) 2003 Scripps Howard News  
File 702:Miami Herald 1983-2003/Jan 09  
(c) 2003 The Miami Herald Publishing Co.  
File 703:USA Today 1989-2003/Jan 17  
(c) 2003 USA Today  
File 704:(Portland)The Oregonian 1989-2003/Jan 18  
(c) 2003 The Oregonian  
File 713:Atlanta J/Const. 1989-2003/Jan 19  
(c) 2003 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2003/Jan 17  
(c) 2003 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2003/Jan 21  
(c) 2003 Christian Science Monitor  
File 725:(Cleveland)Plain Dealer Aug 1991-2000/Dec 13  
(c) 2000 The Plain Dealer  
File 735:St. Petersburg Times 1989- 2000/Nov 01  
(c) 2000 St. Petersburg Times

?ds

Set	Items	Description
S1	7730	(INVENTORY OR INVENTORIES OR STORAGE OR MERCHANDISE?) (5N) (- RADIO()FREQUENC? OR RF OR TAG OR TAGS OR RFID OR (ID OR IDENT- IFICATION) ()SYSTEM?) NOT PY>2001
S2	2872	(INVENTORY OR INVENTORIES OR STORAGE OR MERCHANDISE?) (5N) (- RADIO()FREQUENC? OR RF OR RFID) NOT PY>2001
S3	1124	S2 NOT STORAGE?
S4	0	S3(5N) (READER? () INTERROGATOR?)
S5	2	S3(5N) INTERROGATOR?